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April 30, 2008

To: All 541 NPA Service Providers and Interested Industry Members (Oregon)

Subject: Relief Petition for Approval of Overlay

Attached is the relief petition for approval of an overlay for the Oregon 541 NPA filed with the Oregon Public Utilities Commission on April 30, 2008.

If you require additional information or have any questions, please email me at joe.cocke@neustar.biz or give me a call at (805) 520-1945.

Sincerely,
Joseph R. Cocke
Sr. NPA Relief Planner
NANPA

C: Woody Birko – OPUC - Staff

Attachments

Before the
PUBLIC UTILITY COMMISSION OF OREGON
Salem, Oregon 97308

In the Matter of the Investigation of the Appropriate Method of Providing Number Relief for the 541 Area Code

PETITION OF THE NORTH AMERICAN NUMBERING PLAN ADMINISTRATOR, ON BEHALF OF THE OREGON TELECOMMUNICATIONS INDUSTRY, FOR RELIEF OF THE 541 NUMBERING PLAN AREA

NeuStar, Inc., in its role as the North American Numbering Plan Administrator ("NANPA") for Oregon and on behalf of the Oregon telecommunications industry ("Industry"),[1] requests that the Public Utility Commission of Oregon ("Commission") approve[2] the Industry's unanimous consensus[3] decision to recommend to the Commission an all-services distributed overlay as the preferred form of relief for the 541 numbering plan area ("NPA").[4] The Industry submits its recommendation to the Commission based upon NANPA's projection that absent NPA relief, the supply of central office codes (often referred to as "CO" or "NXX" codes) for the 541 NPA will exhaust during the first quarter of 2011. In order to allow sufficient time for

[1] The Industry is composed of current and prospective telecommunications carriers operating in, or considering operations within, the 541 area code in Oregon.

[2] The Federal Communications Commission ("FCC") delegated authority to the states, including Oregon, to review and approve NPA relief plans. *See* 47 C.F.R. § 52.19.

[3] Consensus as used in this document means: Consensus is established when substantial agreement has been reached among those participating in the issue at hand. Substantial agreement means more than a simple majority, but not necessarily unanimous agreement. (ATIS Operating Procedures, section 7.1, version 4.0, January 3, 2006 (see Exhibit B).

[4] As the neutral third party administrator, NANPA has no independent view regarding the relief option selected by the Industry.

implementation of the selected relief plan prior to exhaust of CO codes in the 541 NPA, the Industry requests that the Commission also approve the recommended 14-month implementation schedule. In support of this application and on behalf of the Industry, NANPA submits the following:

I. BACKGROUND

The October 2007 NRUF (Number Resource Utilization Forecast) and NPA Exhaust Analysis ("2007 NRUF Report") indicates that the 541 NPA will exhaust during the first quarter of 2011.[5] Based upon the projected exhaust of the 541 NPA, NANPA convened an Industry relief meeting on March 20, 2008[6] to address relief for the 541 NPA.[7]

Pursuant to the NPA Relief Planning Guidelines, NANPA distributed an Initial Planning Document ("IPD") to the Industry prior to the March 20 meeting. The IPD contained descriptions, maps, general facts and assumptions, and the projected lives of four area code relief options, which consisted of an all services overlay, a concentrated overlay, an expanded overlay, and a two-way area code split. The four relief options considered at the March 20 meeting are:[8]

- Alternative #1 – All-Services Overlay: A new NPA code would be assigned to the same geographic area as the existing 541 NPA. Customers would retain their current

[5] October 2007 NRUF and NPA Exhaust Analysis ("2007 NRUF Report"). The 2007 NRUF Report can be accessed on the NANPA web site at http://www.nanpa.com. The April 2008 NRUF Report was released after the Industry reached its consensus decision for relief of the 541 NPA. The exhaust forecast for the 541 remains unchanged.

[6] A copy of the March 20, 2008 meeting minutes is attached as Exhibit A.

[7] In order to plan for the introduction of new area codes, NANPA and the Industry utilize the NPA Code Relief Planning and Notification Guidelines (ATIS-0300061, Nov. 9, 2007) ("NPA Relief Planning Guidelines"). The NPA Relief Planning Guidelines assist NANPA, the Industry and regulatory authorities within a particular geographic NPA in the planning and execution of relief efforts. The NPA Relief Planning Guidelines can be accessed on the ATIS website located at www.atis.org/inc/incguides.asp.

[8] The IPD is included with NANPA's February 11, 2008 IPD distribution, which is attached as Exhibit B. The IPD and March 20 meeting minutes contain further descriptions and illustrative maps of the alternatives considered by the Industry participants.

telephone numbers. Overlays require customers to dial ten digits within and between NPAs. Codes in the overlay NPA will be assigned upon request upon the effective date of the new area code. Upon exhaust of the 541 NPA, all code assignments will be made from the overlay area code. This alternative has a projected life of 24 years.

- Alternative #2 – Concentrated Overlay: A new NPA code would be assigned to only certain rate centers in the same geographic area as the existing 541 NPA. The boundary of the proposed concentrated overlay follows rate center boundaries to include 113 rate centers and excluding 78 rate centers. Codes in the overlay NPA will be assigned upon request with the effective date of the new area code. Customers would retain their current telephone numbers. Ten-digit-dialing would be required by all customers within and between NPAs in the affected rate centers. Those customers located outside of the overlay area of the 541 NPA would retain seven-digit dialing until the remaining 541 codes are assigned and the overlay would be extended to all rate centers in the 541 NPA. NANPA projects that expansion of the overlay will be necessary in six years. The projected exhaust of the area code, including time after the expansion, is projected to be 24 years.

- Alternative #3 – Expanded Overlay: This proposed relief alternative proposes to expand the existing 971 NPA overlay code to the rest of the state so that it covers the same geographic area occupied by the existing 541 NPA. Customers would retain their current telephone numbers. Customers would be required to dial ten digits for local calls within and between NPAs. Codes in the overlay NPA will assigned upon request upon the effective date of the area code expansion. Upon exhaust of the 541 NPA, all code assignments will be made from the overlay NPA. This relief alternative would shorten the life of the existing 971 NPA by six to 10 years, resulting in a projected life of 11 to 15 years.

- Alternative #4 – Geographic Split: In a geographic split, the existing NPA is divided into two geographic areas; one retains the existing NPA and the other receives the new NPA code. Within an NPA, seven-digit-dialing is retained, but 10-digit-dialing is required for calls placed between NPAs. In Alternative #4, the proposed split boundary line runs along rate center boundaries in a north to south direction generally west of the Cascades except for the south-western portion of the state wherein the boundary line makes an almost 90 degree turn to follow an east to west trajectory. The rate centers west of the split line are referred to as "Area A" in the IPD. The eastern rate centers are referred to as "Area B" in the IPD. Area A has a projected NPA life of 29 years to exhaust and Area B has a projected NPA life of 20 years to exhaust.

The March 20 meeting attendees reviewed the attributes of the relief alternatives described above. The Industry reached unanimous consensus to recommend Alternative #1, the all-services distributed overlay plan, to the Commission as its choice of relief for the 541 NPA because it provides a long term relief plan with the least impact on customers. The overlay also

makes it possible to create a consistent dialing plan for the entire state. The Industry noted however, that due to FCC regulations, the overlay relief plan would require 10-digit-dialing for all local calls within and between the 541 NPA and the new NPA and certain phone systems, such as faxes and alarms, would have to be reprogrammed to accommodate 10-digit-dialing.

The Industry reached consensus to eliminate Alternative #2 because it barely meets the industry guidelines requirement that the chosen relief alternative provide for more than five years of relief. The Industry eliminated Alternative #3 because the projected life of the plan is 10 years less than Alternative #1 and because expanding the 971 NPA over the entire state while leaving the 503 area code to cover the Portland area may create customer confusion. Although a geographic split would maintain seven-digit-dialing for local calls within the same NPA, the Industry rejected the split alternative because it would require approximately half of the customers to change their phone numbers and splits create many more technical issues than overlays including problems with porting. Splits also may result in temporary disruption of service to customers. Additionally, split boundaries also may divide cities, counties, legislative districts or other communities of interest. Phone number changes require businesses to incur costs related to changing advertising and stationery, and all customers to relay their new numbers to friends, family and business associates. Split alternatives sometimes result in somewhat imbalanced NPA life projections; the NPAs in Alternative #4 have a difference in projected lives of nine years. Splits may negatively impact alarm systems and E911 systems and cause problems for wireless providers and their customers who have to manually reprogram their handsets to accept the number change.[9]

[9] For a full list of the Industry's discussion of the pros and cons of each alternative as well as the reasons for rejecting Alternatives #2-4, see pp. 6-8 of the March 20, 2008 meeting minutes.

II. DESCRIPTION OF THE RECOMMENDED RELIEF ALTERNATIVE

The recommended all-services distributed overlay, Alternative #1, would superimpose a new NPA over the same geographic area covered by the existing 541 NPA. All existing customers would retain the 541 area code and would not have to change their telephone numbers. Consistent with FCC regulations, the relief plan would require 10-digit-dialing for all calls within and between the 541 NPA and the new NPA.[10] All local calls, whether the calls are to the home NPA or a foreign NPA, would be dialed using 10 digits. Toll calls, to home or foreign NPAs would require 1+10 digit dialing. Operator services calls would require customers to dial 0+10 digits. The Industry noted that any existing seven-digit dialing across NPA boundaries to adjacent states would be addressed during the implementation of the overlay.

Industry participants reached consensus to recommend to the Commission a 14-month schedule for implementing the all-services distributed overlay. The schedule, provided below, includes recommended intervals for each implementation phase.

Recommended Implementation Schedule for an All-Services Distributed Overlay

EVENT	TIMEFRAME
Network Preparation and Customer Education Period	7 months
Start of Permissive seven and 10-Digit Dialing Period (Calls within the 541 NPA can be dialed using 7 or 10 digits)	6 months
First Code Activation after end of permissive dialing period (Effective date for codes from the new NPA)	1 month (after Mandatory)
Total Implementation Interval	14 months

Adhering to the proposed implementation schedule will avoid the denial or delay of service to telecommunications providers' customers due to the unavailability of CO codes.

[10] 47 C.F.R. § 52.19(c)(3)(ii).

III. CONCLUSION

The Industry respectfully requests that the Commission issue an order approving the Industry's choice for relief for the 541 NPA, an all-services distributed overlay depicted in Alternative #1 of the attached IPD. The Industry also requests that the order approve the recommended relief implementation schedule to ensure the quickest implementation of relief possible and facilitate customer education.

Respectfully submitted,

/s/

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April 30, 2008

EXHIBIT A

NEUSTAR

46000 Center Oak Plaza • Sterling, VA, USA 20166 571 434 5400 571 434 5401 www.neustar.biz

April 17, 2008

To: All Oregon 541 NPA Code Holders and Other Industry Members

Re: Final Minutes of Relief Planning Conference Call for the 541 NPA in Oregon

Attached is the final meeting minutes from the Oregon 541 NPA relief planning conference call held on March 20, 2008. On April 17, 2008, the industry reviewed and approved these minutes and the relief petition for the 541 NPA. The petition for relief will be filed with the Oregon Public Utilities Commission no later than May 1, 2008.

Please feel free to contact me if you have any questions regarding any aspect of relief planning, or have any questions about receiving notices and documents via NNS. I can be reached on 805-520-1945, or via email at joe.cocke@neustar.biz

Sincerely,

Joseph R. Cocke
Senior NPA Relief Planner
NANPA

C: Woody Birko – OPUC Staff

Enclosures

OREGON – 541 NPA
INITIAL RELIEF PLANNING MEETING
VIA CONFERENCE CALL
FINAL MINUTES
March 20, 2008

WELCOME, INTRODUCTIONS & AGENDA REVIEW

Joe Cocke, Senior NPA Relief Planner–NANPA, welcomed the participants and reviewed the objective of the meeting. A list of attendees can be found in Attachment #1. Joe mentioned there would be a quality survey sent via email to those attending today's call. Joe then reviewed the agenda and NANPA's roles and responsibilities.

NANPA's ROLE AND RESPONSIBILITIES

Joe reviewed NANPA's role and responsibilities for today's meeting as follows:

- NANPA starts the relief planning process 36 months prior to exhaust of the NPA.
- Facilitate a Pre-IPD conference call with the industry six weeks prior to the NPA Relief Planning meeting.
- Distribute the Initial Planning Document (IPD) at least four weeks prior to the Relief Meeting
- Review the relief alternatives presented in the IPD
- Check to see if there are any additional relief alternatives from the participants
- Discuss the alternatives and list some pros and cons for each alternative
- Then, through a process of elimination of all but one alternative, the main objective is achieved by reaching consensus on the relief alternative the industry wants to recommend to the Oregon Public Utilities Commission.
- Also determine any additional items to include in a filing with the OPUC such as dialing plan and implementation intervals.
- Then NANPA is charged with the responsibility of filing a relief petition, on behalf of the industry, with the regulatory authority. Once the industry comes to consensus on what should be included in the filing, NANPA will file the legal document within six weeks of today's meeting.

REVIEW CONSENSUS PROCESS AND NPA RELIEF PLANNING GUIDELINES

Joe stated that the ATIS (Alliance for Telecommunications Industry Solutions) approved industry consensus process would be followed. He reviewed the consensus process and explained how consensus is determined. In addition, Joe stated that the minutes would be comprised of consensus agreements, and that issues not captured by consensus could be expressed in the form of a Statement for the Record, which could be conveyed at any point during the meeting.

Joe reviewed the most pertinent items from the Industry Numbering Committee (INC) NPA Code Relief and Planning and Notification Guidelines for this meeting as follows:

- The relief options/alternatives shall cover at least a period of five years beyond the forecasted exhaust of the existing area code.
- If there is a split, it is recommended that customers who undergo number changes shall not be required to change again for a period of 8-10 years.
- The guidelines also state for split alternatives, that a difference in NPA lifetimes of more than 10 years shall be avoided.
- Relief should be in place at least three months prior to the exhaust of the existing NPA.

The NPA Code Relief Planning, as well as other relevant NPA assignment and relief guidelines, may be downloaded from the ATIS web site at: (www.atis.org).

PRE-IPD CONFERENCE CALL RE-CAP

Joe provided a recap of the pre-IPD conference call held January 30, 2008, for the purpose of reviewing the NANPA developed proposed relief alternatives; no additional relief alternatives were recommended during that call or prior to the call today. Informal meeting notes resulting from the pre-IPD industry conference were posted to NANPA's NNS service on February 1, 2008. Joe noted the main purpose of that call was to obtain additional relief alternatives for consideration and he stated the industry will still have the opportunity to propose additional relief alternatives during the call today.

REVIEW INITIAL PLANNING DOCUMENT (IPD) FOR THE 541 NPA

Joe reviewed the Initial Planning Document (IPD) distributed prior to the meeting.

General Facts - Oregon:

On February 14, 1859 the state of Oregon, also known as the "Beaver State" became the 33rd state admitted to the United States of America. According to the 2005 Census Projection the population of the state was 3,641,056. Oregon is bordered by Washington on the north, Idaho on the east, California and Nevada on the south and the Pacific Ocean on the west.

Oregon currently has 3 NPAs – 503/971 Overlay complex and the 541. The 541 NPA was created in March 1995 by a NPA split of the 503 NPA. With 191 rate centers the 541 NPA covers almost the entire state of Oregon except for the Portland area and is primarily in the 670 and 672 LATAs; there are two rate centers in the WA 676 LATA and one rate center in the NV 720 LATA.

Joe then briefly reviewed Appendix E to the NPA Code Relief Planning Guidelines which provides the General Attributes of Common Relief Alternatives. The following maps and related documents were then reviewed:

Map showing location of all NPAs in Oregon
NPA 541 Rate Center Map of the 191 rate centers
NPA 541 Rate Center & County Map
NPA 541 Rate Centers & Cities with a Population > 5 K Map
NPA 541 Rate Center, County & Highway Map
NPA 541 Rate Center & LATA Map

Rate Center Table
Code Holder Table

NPA STATUS

Joe informed participants that the October 2007 Number Resource Utilization Forecast ("NRUF") projects the 541 NPA to exhaust during the 1st Quarter 2011; and that while the next NRUF will not be published until the end of April, no significant change to the forecast is expected.

Joe provided a read-out of the monthly CO Code Assignment Activity for the Oregon 541 NPA. He reported as of March 20, 2008 there were 112 NXX codes available for assignment, 671 assigned NXX codes, and 17 unavailable NXX codes. There have been three codes assigned in January, four codes in February and 1 so far in March. Joe also mentioned there had been seven codes marked UA due to 7-digit dialing across state boundaries, but by identifying the calling areas NANPA has prevented these codes from being assigned in those rate centers and the codes have been released for use.

Joe provided the historical code assignment activity as depicted below:

2005 assignments = 14 codes
2006 assignments = 20 codes
2007 assignments = 24 codes
2008 assignments (YTD) = 8 codes

It was also noted that the 2007 average monthly CO code assignment is 2.0. The October 2007 NRUF forecasted monthly CO Code demand projection is 3.0.

NUMBER POOLING INFORMATION

Cecilia Louie, NeuStar – Number Pooling Implementation, stated that pooling started July 1, 2001. She provided the status of one-thousand-number block pooling in the 541 NPA as follows: 226 blocks have been assigned in the 541 NPA since February 1, 2007 and another 1042 blocks remain available for assignment to service providers. She also reported there are 191 rate centers with 87 rate centers that have mandatory pooling, 0 single Service Provider Mandatory rate centers, 6 rate centers that have optional pooling and 98 rate centers that are excluded from pooling. From 2-1-07 to 3-19-08 the PA has assigned 30 codes, 17 for pool replenishment and 13 for LRNs. Cecilia mentioned the PA estimates it will need 9 codes in the next twelve months- six for pool replenishment and dedicated customers and three for LRNs.

Joe mentioned that it was noted during the Pre-IPD meeting that a participant asked if there was any opportunity for additional pooling that might extend the life of the area code and asked Linda Hymans of NeuStar Pooling about it. She said they looked into this, but there are so many rate centers with only one service provider it did not look like there would be much immediate benefit and the Commission was advised accordingly.

EXPLANATION OF RELIEF ALTERNATIVES PREPARED BY NANPA

Joe provided an overview of the 541 area code in general describing the geography and assisting the industry in familiarizing itself with the area, he also described the rate area and county maps that have been prepared for reference. Joe provided an overview of the

following relief alternatives in the draft Initial Planning Document:

OVERLAY ALTERNATIVE

A new NPA code would be assigned to the same geographic area occupied by the existing 541 NPA. Customers would retain their current telephone numbers; however, ten-digit local dialing by all customers within and between NPAs in the affected area would be required, including cross-state-boundary calling. Codes in the overlay NPA will be assigned upon request with the effective date of the new area code. At exhaust of the 541 NPA all future code assignments will be made in the overlay area code.

ALTERNATIVE # 1 – ALL SERVICES DISTRIBUTED OVERLAY

This would be an all-services overlay distributed across all rate centers.

Total CO Codes = 663
Total rate centers = 191
Area Code Life in Years = 24

CONCENTRATED OVERLAY ALTERNATIVE

A new NPA code would be assigned to only certain rate centers in the same geographic area occupied by the existing 541 NPA. Customers would retain their current telephone numbers; however, ten-digit local dialing would be required by all customers within and between NPAs in the affected rate areas. Codes in the overlay NPA will be assigned upon request with the effective date of the new area code. Those customers in the non-overlaid area of the 541 NPA would retain seven-digit dialing until the remaining 541 NXX codes were assigned and the overlay would then be extended to all rate centers in the 541 NPA. All remaining 541 NXX codes would be assigned only to the non-overlaid area. At exhaust of the 541 NPA all future code assignments will be made in the overlay area code.

ALTERNATIVE # 2 – CONCENTRATED OVERLAY

This would be a concentrated-overlay distributed across only specific rate centers. The proposed new concentrated overlay area runs along rate center boundaries generally the western half of the state. The new overlay area includes 113 rate centers south and west and of the following rate centers: Wamic, Pine Grove, Maupin, Grass Valley, Fossil, Spray, Monument, Dayville, Mount Vernon, Seneca, North Harney and Burns and west of the un-filed territory shown on the map as Catlow Valley (the boundary is just east of the Paisley and Lakeview rate centers). There are 78 rate centers north and east of this line involving 164 NXX codes. The overlay would be extended over this non-overlaid area when the remaining 541 codes exhaust.

Total CO Codes = 499 / 164
Total rate centers = 113 / 78

Years before Expansion of Overlay: 6.0
Area Code Life in Years = 24

EXPANDED OVERLAY ALTERNATIVE

ALTERNATIVE # 3 – EXPANDED OVERLAY

The existing 971 NPA overlay code (503/971 NPA Overlay complex) would be expanded to the rest of the state and assigned to the same geographic area occupied by the existing 541 NPA. Customers would retain their current telephone numbers; however, ten-digit local dialing by all customers within and between NPAs in the affected area would be required. Codes in the overlay NPA will be assigned upon request with the effective date of the area code expansion. At exhaust of the 541 NPA all future code assignments will be made in the overlay area code. There are 710 NXX codes available in the 971 NPA which is forecasted to exhaust 3Q2029; the 503 NPA has 25 NXX codes available and is forecasted to exhaust 4Q2008. This alternative would shorten the life of the 971 by six to ten years.

Total CO Codes = 1496
Area Code Life in Years = 11 to 15 years

NPA SPLIT ALTERNATIVE

The exhausting NPA is split into two geographic areas and a new NPA is assigned to one of the areas formed by the split. All split plans would require ten-digit dialing between NPAs in the extended local calling area. Within an NPA, seven-digit dialing would be retained.

ALTERNATIVE # 4 – NPA SPLIT

The proposed boundary line runs along rate center boundaries generally west of the Cascades except the south-western portion of the state. The split line is described as follows: starting at the top of the 541 NPA it runs in a southerly direction west of the Black Butte, Sisters, Lapine, Gilchrist, Chemult and Fort Klamath rate centers then runs in a westerly direction on the northern side of the Klamath Falls, Fish Lake Butte Falls, White City, Gold Hill, Rogue River, Grants Pass and Gold Beach rate centers to the coast.

AREA "A"	AREA "B"
Total CO Codes = 296	Total CO Codes = 367
Total rate centers = 72	Total rate centers = 119
Area Code Life in Years = 29	Area Code Life in Years = 20

PROJECTED LIVES OF RELIEF ALTERNATIVES IN YEARS

ALTERNATIVE	AREA "A"	AREA "B"	OVERLAY
#1	-	-	24
#2	-	-	24
#3	-	-	11-15
#4	29	20	-

INDUSTRY RECOMMENDED ALTERNATIVES

Joe asked the industry participants if there were additional suggestions for relief alternatives. There were no additional alternatives proposed during the relief planning meeting.

Note: copies of the maps for Alternatives # 1 through #4 are attached.

DISCUSSION OF PROS AND CONS OF RELIEF ALTERNATIVES
A general discussion ensued regarding the Pros and Cons of each relief alternative and the industry agreed to the following:

The following Pros and Cons were listed for Alternative # 1 (Overlay)
Pros:

1 Provides consistent dialing for the entire state of Oregon
2 This is a long term relief plan
3 All 541 area code customers would get to keep their number
4 No splitting of communities of interest
5 No winners or losers
6 Prevents an expanded overlay later
7 Saves business customers and the tourist industry expenses in advertising printing costs
8 Takes guess work out of forecasting difference in life of each side with a split
9 No synchronization needed for LNP and NPAC databases
10 No porting issues with an overlay
11 Easier to communicate to the public and roll out an education plan
12 No impact on some wireless carriers that have to reprogram hand sets manually

Cons:

1 Confusion between local and toll calling 10-digit vs. 1+10-digit
2 Possible confusion for seniors that have always been able to dial 7 digits
3 Requires reprogramming of fax machines and security devices

The following Pros and Cons were listed for Alternative # 2 (Concentrated Overlay)

Pros:

1 The same Pros # 3, 7-10 & # 12 as stated for Alternative # 1

Cons:

1 All the same Cons as stated for Alternative # 1
2 Would require a second customer education program within six years when the overlay requires expansion.
3 Would not have consistent dialing throughout 541, confusion in dialing
4 Possible technical dialing issues with permissive dialing for wireless if you have one switch that serves the entire area with 7-digit and 10-digit dialing, more labor intensive
5 Short life span – not a long term plan and you are creating winners and losers
6 Possible community of interest divisions creating problems

The following Pros and Cons were listed for Alternative # 3 (Expanded Overlay)

Pros:

1 All the same Pros as stated for Alternative # 1
2 Does not require an additional area code since it uses the 971 NPA

Cons:

1 All the same Cons as stated for Alternative # 1
2 Projected life is 10 years less than Alternative # 1
3 Confusion in that 971 NPA would be statewide and the other two area codes are not

The following Pros and Cons were listed for Alternative # 4 (Split)

Pros:

1 Maintains seven digit dialing for local calls within the same NPA

Cons:

1 Forces half of the customers to change existing numbers
2 Many more technical issues with a split
3 Many more problems with porting and LNP problems are very probable
4 Possible disruption of service for customers
5 Potential NPAC synchronization problems for ported numbers
6 Possible split of cites, communities of interest, counties and legislative districts
7 Extended calling areas would be 10-digit dialing such as from Grants Pass to Glendale; also from Rocky Point and Crater Lake to Fort Klamath and Chiloquin
8 Business customers on the side that changes would incur costs for change of

advertising and stationary

9 The split causes winners and losers
10 Requires reprogramming of equipment to recognize the new area code for the side that gets new area code
11 The projected split lives are somewhat imbalanced by 9 years and barely meet the guidelines by 2 years
12 Splits the remote switch at Prospect rate center from the host switch at White City rate center for Embarq's territory
13 Creates more coordination issues with updating directory publishing for customers and service providers
14 More impact to some wireless carriers that have to reprogram hand sets manually for side that changes

CONSENSUS ON ELIMINATION OF RELIEF ALTERNATIVES

After discussion and review of the above listed Pros and Cons, proposals were made and unanimous consensus reached to eliminate the following Alternatives:

A proposal was made and consensus reached to eliminate Alternative #2 because it barely meets the industry guidelines of more than 5 years beyond forecasted exhaust

A proposal was made and consensus was reached to eliminate Alternative # 4 due to cons listed above. There are too many technical and customer related issues, it interrupts EAS calling areas and it has somewhat imbalanced lives.

A proposal was made to eliminate Alternative #3 due to the expected life is 10 years less than Alternative # 1 and also a possible confusion with 971 NPA being across the entire state and 503 NPA just in Portland area.

CONSENSUS ON RELIEF ALTERNATIVE RECOMMENDATION

After further discussion, a proposal was made and unanimous consensus was reached to recommend Alternative #1, the all services distributed overlay alternative, to the Oregon Public Service Commission ("OPUC") as the industry's preferred method of relief for the 541 NPA because it provides a long term relief plan with the least impact on customers and it has a consistent dialing plan for entire state. Additionally the pros far outweigh the cons; it is easier on directory updates and has the least technical issues i.e. LNP.

CONSENSUS ON DIALING PLAN (ALTERNATIVE #1)

Consensus was reached to recommend the following dialing plan for Alternative #1:

Overlay Dialing Plan for Alternative # 1:

Type of Call	Call Terminating in	Dialing Plan
Local call	Home NPA (HNPA) or Foreign NPA (FNPA)	10-digits (NPA-NXX-XXXX)
Toll Call	HNPA or FNPA	1+10-digits (1+NPA-NXX-XXXX)

Operator Services	HNPA or FNPA	0+10-digits (0+NPA-NXX-XXXX)

It was noted that any existing 7-digt dialing across NPA boundaries to adjacent states would be addressed during the implementation of the overlay

ESTABLISH IMPLEMENTATION SCHEDULE

A recommendation was made and consensus reached to recommend to the Commission a 14-month schedule for implementation of the overlay. The recommended schedule is as follows:

Intervals for Alternative # 1 – Overlay:

EVENT	TIMEFRAME
Total Interval	14 months
Network Preparation and Customer Education Period	7 months
Permissive 7-digit and 10-digit Dialing	6 months
First Code Activation after end of Permissive dialing period. *(Effective date for codes from the new NPA)*	1 month (after Mandatory)

It was noted that the start of mandatory dialing should avoid major holiday periods such as Thanksgiving, Christmas and New Year's.

SPLIT INPLEMENTATION INTERVALS

While there was no recommendation for the split alternative, it is understood that if the OPUC decides for a split the commission will also need to decide which side of the split line changes to the new NPA. If the OPUC decides for a split rather than an overlay, consensus was reached to recommend to the Commission a 21-month schedule for implementation of the geographic split. The recommended schedule is as follows:

Intervals for a split Alternative:

EVENT	TIMEFRAME
Total Interval	21 months
Network Preparation and Customer Education Period	6 months
Permissive Dialing -*(Calls can be dialed using 541 or the new NPA)* (Mandatory dialing at end of permissive dialing period)	12 months
Recorded Announcement Period	3 months

It was noted that some wireless service providers require longer permissive dialing periods to allow customers to bring in their handsets to have them reprogrammed manually.

CUSTOMER EDUCATION PLAN
The industry agreed, that after the commission decides on the relief plan to be implemented, it would develop a customer education plan subject to OPUC input similar to the 503/971 process the industry followed. It was generally agreed that customer notices would be sent 30 to 60 days prior to the start of the permissive dialing and mandatory dialing dates.

STATEMENTS FOR THE RECORD
There were no statements submitted for the record.

NANPA FILING INDUSTRY EFFORTS WITH COMMISSION
Consensus was reached that NANPA will prepare a draft of the petition that will be filed with the Oregon Public Utilities Commission informing them of the outcome of this relief meeting. The draft filing will be reviewed by the industry on the conference call that will be held to approve these minutes. The INC guidelines reflect the relief petition is to be filed with the regulator within 6 weeks of the initial relief planning meeting unless otherwise decided by the industry.

OPEN DISCUSSION
Joe stated that once there is a commission decision NANPA will conduct an implementation meeting to develop the items for the planning letter.
In response to an inquiry OPUC staff indicated after the petition is filed the public would be given an opportunity to comment and there might be public meetings.

REVIEW OF DRAFT MEETING MINUTES & DRAFT COMMISSION FILING
Consensus was reached that the draft minutes resulting from this meeting will be distributed to the industry by April 3, 2008 and the draft commission filing distributed to the industry by April 10, 2008. Consensus was also reached to conduct a conference call to review and approve the draft minutes and draft filing to the Oregon Public Utilities Commission on April 17, 2007. Details of the call are as follows:

Date: Thursday, April 17, 2008
Time: 8:00 AM Pacific; 9: 00 AM Mountain; 10:00 AM Central; 11:00 AM Eastern
Dial-in number: 630-827-6799
Pass code: 8286767 #

Adjourned

# # #

These minutes were approved along with the draft petition on April 17, 2008.

Oregon Attachment 1

541 NPA IPD Meeting

Conference Call Attendees

March 20, 2008

NAME	COMPANY
George Guerra	AT&T
Paul Illig	Cascade Utilities
Doug Cooley	CenturyTel
Cheryl Roach	CenturyTel
Teresa Smith	Citizens/Frontier
Deloy Ussery	Embarq
Jacob Barlow	Malheur Home Telco
Joe Cocke	NANPA Relief Planning
Wayne Milby	NANPA Relief Planning
Beth Sprague	NANPA Code Administration
Dara Sodano	Neustar Pooling Administration
Cecilia Louie	Neustar Pooling Implementation
Linda Hymans	Neustar Pooling Regulatory
Dave Sloan	Oregon PUC
Woody Birko	Oregon PUC
Michael Whalen	Pioneer Telephone Coop
PJ Koller	Priority One Telecom
Jeff Crews	Priority One Telecom
Bruce Bennett	Qwest
Ron Trullinger	Qwest
Scott Warren	Rio Networks
Tim Farnsworth	Rio Networks
Eric Covert	Rio Networks
Joyce Nelsen	Roome Telecom
Katherine McGinn	Rural Cellular
Pat Maroney	Sprint Nextel
Shiva Khazaei	Sprint Nextel
Joe Hurlbert	Sprint Nextel
Kyeva Keith	T-Mobile
Bree Soncrant	T-Mobile
Natalie McNamer	T-Mobile
Paul Nejedlo	TDS Telecom
Dyan Adams	Verizon
Debra Gooden	Verizon Business
Joanne Edelman	Verizon Wireless
Gwen Zahn	Verizon Wireless
Cliff Farley	Wantel /Comspan Comm

NPA 541 Rate Center Map

ALTERNATIVE # 1
All Services Overlay

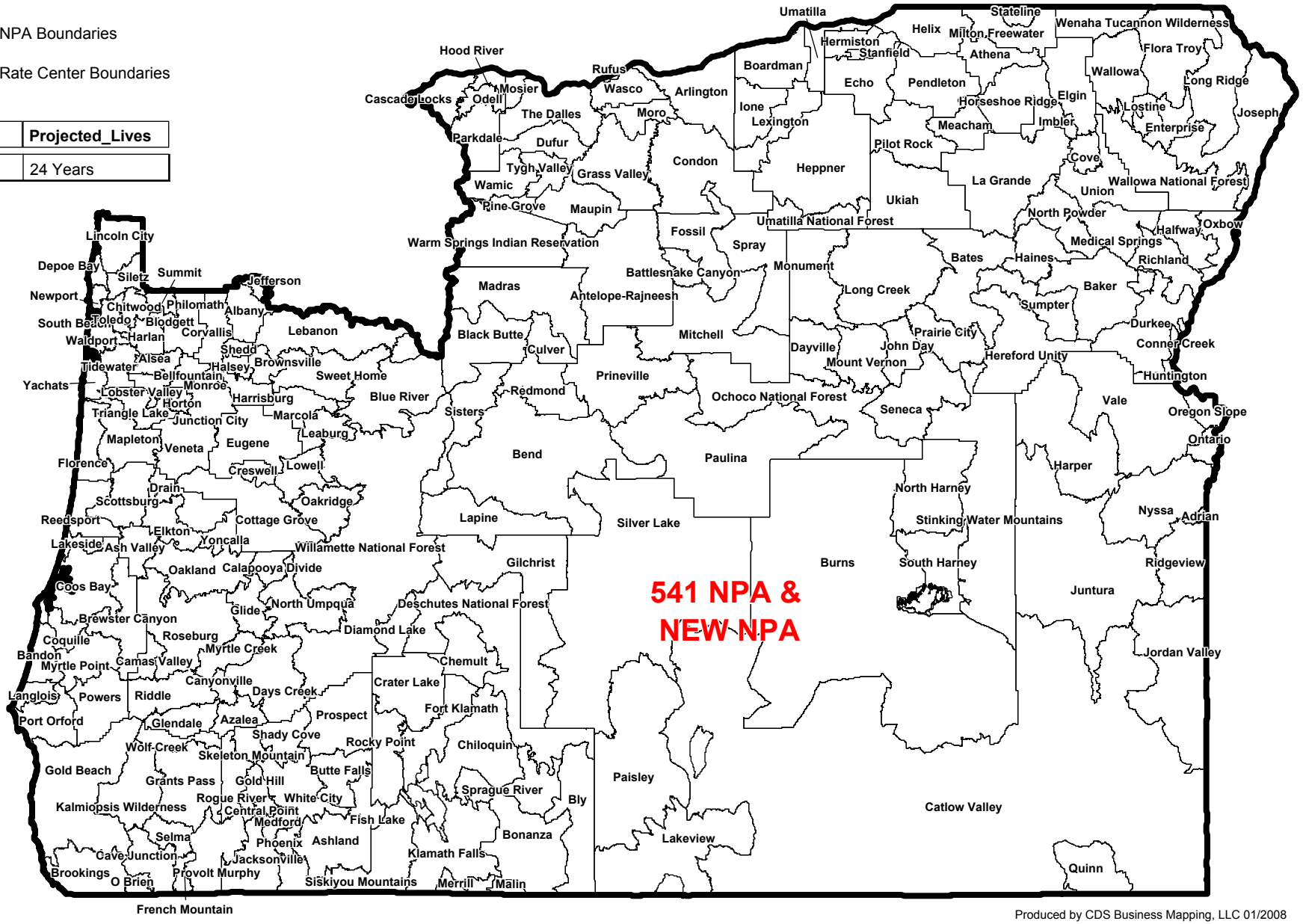
NEU STAR

541 NPA & New NPA

NPA Boundaries

Rate Center Boundaries

Alt#1	Projected_Lives
Overlay	24 Years



Produced by CDS Business Mapping, LLC 01/2008

NPA 541 Rate Center Map

ALTERNATIVE # 2
Concentrated Overlay

NEU STAR

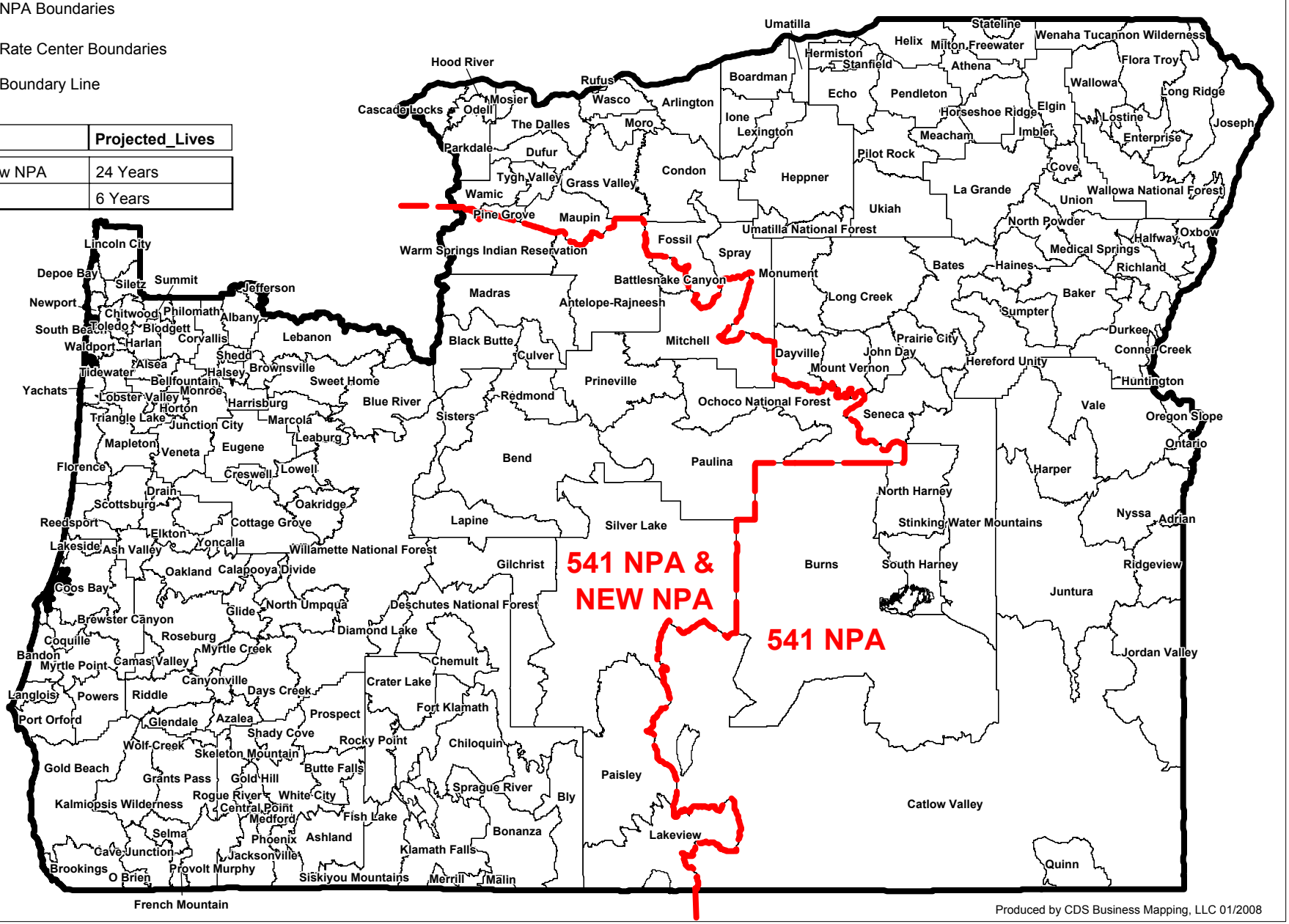
541 NPA & New NPA

NPA Boundaries

Rate Center Boundaries

Boundary Line

Alt#2	Projected_Lives
541 & New NPA	24 Years
541 NPA	6 Years



Produced by CDS Business Mapping, LLC 01/2008

503/971 NPA & 541 NPA Rate Center Map

ALTERNATIVE # 3
Expanded Overlay

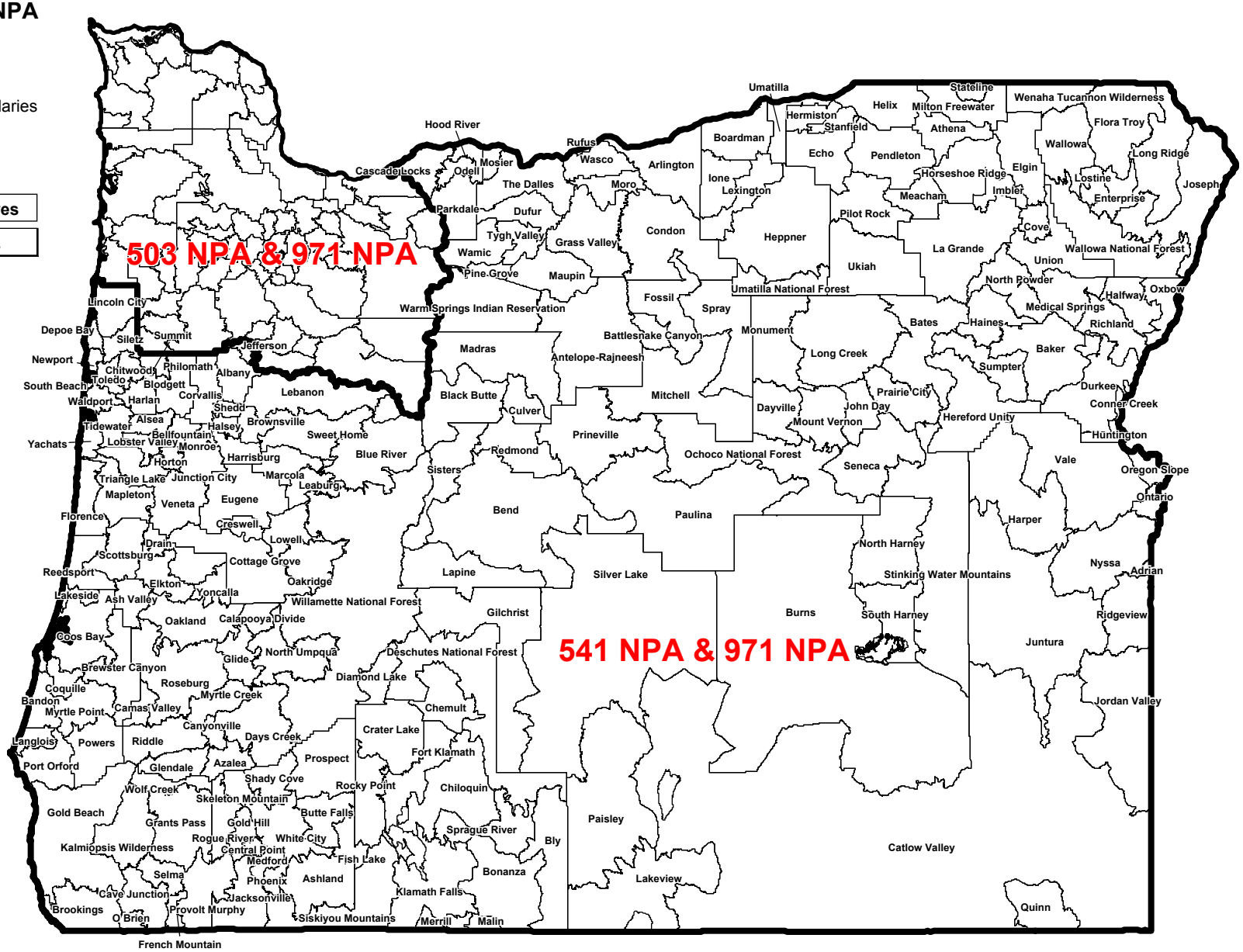
NEU STAR

503/971 NPA & 541 NPA

NPA Boundaries

Rate Center Boundaries

Alt#3	Projected_Lives
Overlay	11 to 15 Years



Produced by CDS Business Mapping, LLC 01/2008

NPA 541 Rate Center Map

ALTERNATIVE # 4
Geographic Split

NEU STAR

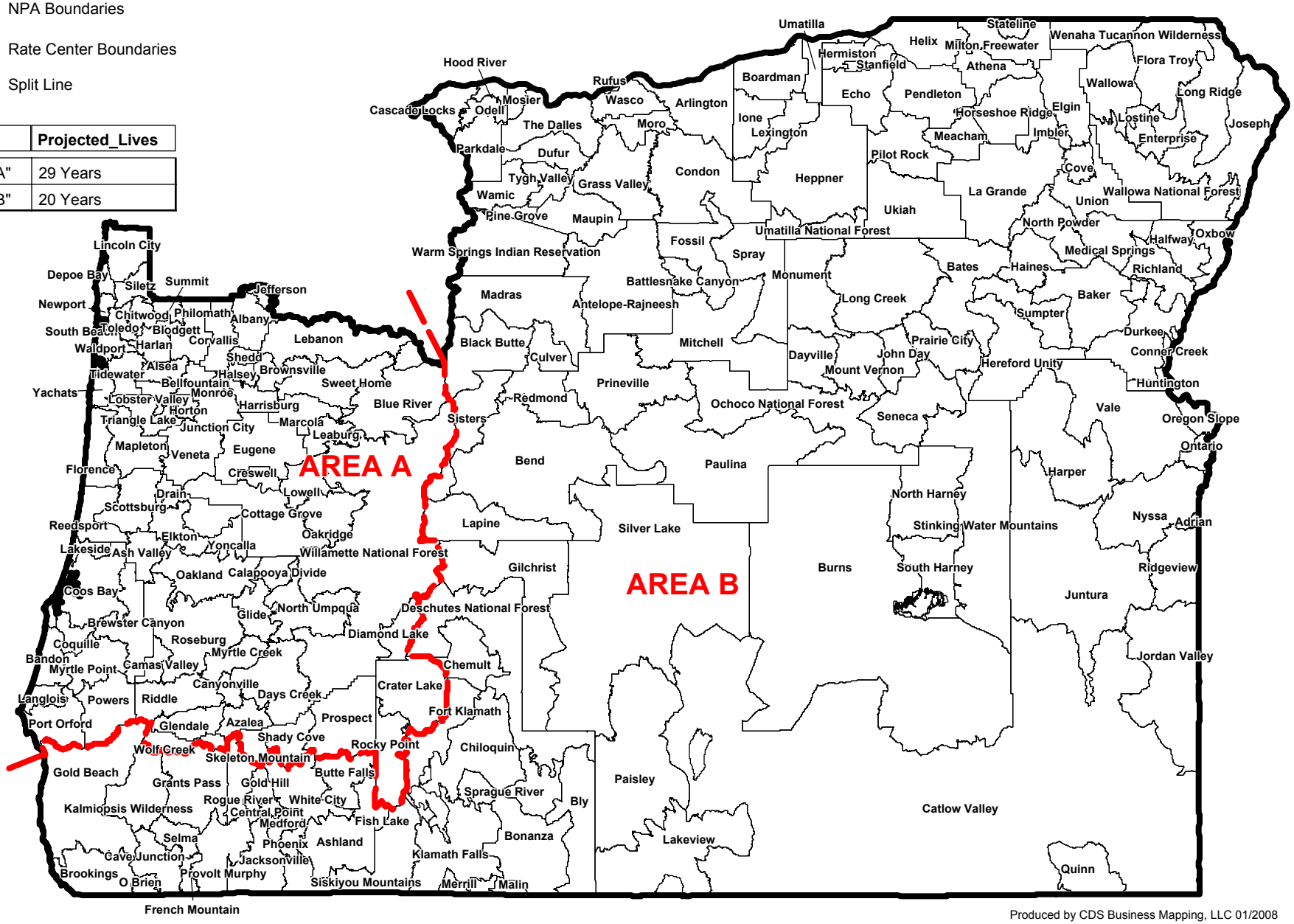
541 NPA & New NPA

NPA Boundaries

Rate Center Boundaries

Split Line

Alt#4	Projected_Lives
AREA "A"	29 Years
AREA "B"	20 Years



Produced by CDS Business Mapping, LLC 01/2008

EXHIBIT B

NEUSTAR

46000 Center Oak Plaza • Sterling, VA, USA 20166 571 434 5400 571 434 5401 www.neustar.biz

February 11, 2008

To: All Oregon 503, 971 and 541 NPA Code Holders and Other Industry Members

Re: Initial Planning Document to Plan Relief for the 541 NPA in Oregon

As stated in my memo dated January 16, 2008, the 541 area code in Oregon is projected to exhaust during the 1Q2011. Enclosed is the Initial Planning Document (IPD) for your review prior to the March 20, 2008 scheduled industry conference call meeting.

The IPD contains the projected life of several possible relief alternatives. NANPA welcomes the submission of additional relief alternatives from interested parties. While additional relief alternatives will be accepted during the March meeting, advance submission is recommended to allow interested parties adequate time to review them prior to the meeting.

Accordingly, on March 20, 2008, NANPA will convene an industry NPA relief planning conference call to develop a recommended relief plan for the 541 NPA. The objective of this meeting is to secure consensus among members of the Oregon Telecommunications Industry on a single plan for relief of the 541 NPA. The resulting relief plan will be filed with the Oregon Public Utilities Commission for their consideration. The Industry recognized consensus process developed by the Alliance for Telecommunications Industry Solutions (ATIS) will be applied in the decision-making efforts.

Because the resulting impacts of NPA relief planning are so significant, NANPA strongly encourages your participation at the March 20, 2008 meeting. Past experience demonstrates that this could be the only meeting of the industry before a decision is reached on a recommended relief plan. The details of the March meeting are as follows:

Date: March 20, 2008
Time: 9:30 AM Pacific; 10:30 AM Mountain; 11:30 AM Central; 12:30 PM Eastern;
Dial-in number: (630) 827-6799
Pass code: 8286767 #

Please feel free to distribute this notice to others in the industry that you feel should attend this important NPA relief planning conference call. If you receive this notice from someone else, and would like to receive additional information in the future about the 541 NPA relief, you are encouraged to sign up to NANPA's NAS-NNS by going to www.nanpa.com , then selecting NAS Login and then selecting New Registration and following the sign-up process.

If you plan on attending the NPA Relief Planning conference call on March 20th, please let me know by sending an email to joe.cocke@neustar.biz. This will help us to determine if all industry parties will be represented at the 541 NPA meeting.

Please feel free to contact me if you have any questions regarding the above relief planning conference call, any aspect of relief planning, or have any questions about receiving notices and documents via NNS. I can be reached on 805-520-1945, or via email at the address above.

Sincerely,

Joseph R. Cocke
Senior NPA Relief Planner
NANPA

C: Woody Birko – OPUC Staff

Enclosures

OREGON - NPA 541
INITIAL RELIEF PLANNING MEETING
VIA CONFERENCE CALL

THURSDAY, MARCH 20, 2008
9:30 AM – 3:00 PM (PT)

AGENDA

9:30	**Welcome & Introductions** **NANPA's Role & Responsibilities** **Minutes & Statements for the Record** **Industry Guidelines/Relief Alternatives** **Review Code Assignment History** **Re-cap Pre-IPD Conference Call** **Review Initial Planning Document**
11:30	**Lunch**
12:30	**Additional Relief Alternatives** **Identify Pros & Cons of Alternatives** **Elimination of Alternatives** **Consensus on Recommended Relief Alternative(s)** **Consensus on Dialing Plan(s)** **Consensus on Implementation Intervals** **Statements for the Record** **Consensus on NANPA Filing Industry Efforts with PUC** **Set Date for Conference Call to Review Meeting Minutes and Draft Petition**
3:00	**Adjourn**

INDUSTRY CONSENSUS PROCESS

7 RESOLUTION PROCESS

7.1 Consensus

Consensus is the method used by the ATIS Forums and Committees to reach resolution of Issues, unless specifically otherwise provided for in these Operating Procedures or in the "ATIS Procedures for the Development of an American National Standard".

Consensus is established when substantial agreement has been reached among those participating in the Issue at hand. Substantial agreement means more than a simple majority, but not necessarily unanimous agreement.

Consensus requires that all views and objections be considered, and that a concerted effort be made toward their resolution. Under some circumstances, consensus is achieved when the minority no longer wishes to articulate its objection. In other cases, the opinions of the minority should be recorded with the report of the substantial agreement, or consensus, of the majority.

When there are questions or disputes regarding consensus, leaders or participants should ask an objecting participant(s) to state the rationale for the objection and provide an opportunity for full discussion aimed at achieving full understanding and consideration of the objection.

A participant's silence is perceived as agreement by the committee and its leadership. If participants do not agree, they should be encouraged to speak up and voice their opinion.

INITIAL PLANNING DOCUMENT

FOR

RELIEF OF THE

OREGON - 541 NPA

NORTH AMERICAN NUMBERING PLAN ADMINISTRATION

JOE COCKE
SENIOR NPA RELIEF PLANNER

February 11, 2008

541 NPA Relief
General Facts and Assumptions

- The State of Oregon is known as the Beaver State
- Oregon became the 33rd state on February 14, 1859.
- The capital is Salem, the largest city is Portland.
- Oregon is bordered by Washington on the north, Idaho to the east, California and Nevada on the south and the Pacific Ocean on the west.
- The landscape varies from the Pacific coastline, to a mountainous rainforest, to the Cascade Mountains, to rich timberlands and fertile valleys to a desert in the southeast. Among the water supplies include the Columbia and Snake rivers and Crater Lake.
- The economy includes: Agriculture (cattle, vegetables, nursery stock, nuts and fruit, dairy products and wheat), Salmon fishing, Industry (lumber, wood and paper products, tourism, food processing, machinery, electronics, and high-tech industries in the 'Silicon-forest'.
- For an in depth overview of Oregon's rich history, geography, demographics, economy, government and culture see http://en.wikipedia.org/wiki/Oregon.
- The state's population is approximately 3,641,056 (2005 Census Projection)
    - Oregon is home to nine federally recognized Native American tribes.
    - There are 36 counties in Oregon.
    - There are over ten state university campuses and a variety of private colleges and many community colleges across the state.
- There are seven regional commercial airports including Portland International, and several municipal airports.
- The 541 area code was established in 1995 (Oregon also has the 503/971 NPA overlay)

- The October 2007 NRUF NPA Exhaust Projection is 1Q2011 and reflects an annualized central office code growth of 34 NXX codes or 3.0 codes per month for the 541 NPA.

- During 2007 the total code assignment was 24 codes or 2.0 codes per month.
    - Assignment History: 2005-14 assigned; 2006- 20 assigned

- There are 56 code holders in the 541 NPA and 36 1-K block holders (5 are non-code holders)

- The 541 NPA has 191 rate centers: 116 rate centers have one NXX code assigned and one rate center has 83 codes assigned (Eugene).

- Thousand-Block Pooling started in July 2001, 87 rate centers are in mandatory pooling while 4 rate centers are optional pooling and 100 rate centers are excluded from pooling.

- As of February 11, 2008, there were 110 codes available for assignment and 24 Unavailable codes and 666 codes assigned.

- Most of the 541 NPA is in the OR 670 & 672 LATAs, with a few eastern rate centers in the ID 652 LATA and there are two rate centers (Milton Freewater and Flora Troy) in the WA 676 LATA and one rate center (Quinn) in the NV 720 LATA.

Dialing Procedures for 541 NPA:

- All Home NPA (HNPA) local calls are dialed on a 7-digit basis, i.e., NXX-XXXX (7-digits)
- All HNPA toll calls, i.e., calls that generally incur an extra charge, are dialed with a prefix "1" and 10 digits, i.e., 1+ HNPA+NXX-XXXX (1 + 10 digits)
- All foreign NPA (FNPA) local calls are dialed on a 10-digit basis with no prefix, i.e., FNPA-NXX-XXXX (10-digits)
- All FNPA toll calls are dialed with a prefix "1" and 10 digits, i.e., 1+ FNPA-NXX-XXXX (1+10 digits)
- All operator assisted calls, including credit card, collect and third party calls, will be directed with a "0" prefix and 10 digits, i.e., 0 + NPA-NXX-XXXX (0 +10 digits)

Dialing Procedures for 503-971 Overlay NPAs*:

- All Home NPA (HNPA) and foreign NPA (FNPA) local calls are dialed on a 10-digit basis with no prefix, i.e., NPA-NXX-XXXX (10-digits)
- All HNPA and FNPA toll calls are dialed with a prefix "1" and 10 digits, i.e., 1+ NPA+NXX-XXXX (1 + 10 digits)
- All operator assisted calls, including credit card, collect and third party calls, will be directed with a "0" prefix and 10 digits, i.e., 0 + NPA-NXX-XXXX (0 +10 digits)

*** The 503/971 NPA overlay expansion is currently underway – mandatory dialing is 4/27/08.**

AREA CODE RELIEF PLANNING ASSUMPTIONS

Please refer to the ATIS Industry Numbering Committee for NPA Relief Planning and Notification Guidelines – ATIS-0300061 (Nov. 9, 2007)

Highlights:

- **Relief planning starts at least 36-months prior to forecasted exhaust of the NPA**
- **NANPA facilitates planning process and files relief petition with state commission**
- **Consensus Process is used to reach industry agreement**
- **Relief alternatives should have at least a 5-year life beyond the forecasted exhaust**
- **Overlays require 10-digit dialing for all calls**
- **For split alternatives:**
    - **the side that changes should not have to change again for at least 8 to 10 years**
    - **severe imbalances with a difference in lives of more than ten years shall be avoided**

Appendix E
General Attributes of Common Relief Alternatives

Geographic Splits	Overlays	Concentrated Growth Overlay
• Splits provide a single area code for each geographic area. This may minimize confusion for customers outside the area. Implementation is generally understood.	• With an overlay there will be more than one area code in a geographic area. Where the overlay is a new concept some customer education is desirable.	• Special and unique monitoring methods, not currently available, are required for exhaust for the area outside of the concentrated overlay, and it is difficult to predict the exhaust of the area outside of the concentrated overlay area.
• Splits require an area code change for approximately one-half of customers in a two-way split, and two-thirds of customers in a three-way split. .	• An overlay will not require existing customers to change their area code.	• Normally, no existing customers will be required to change their telephone number.
• Geographic splits permit 7-digit dialing within an area code.	• An overlay requires customers to dial 10 digits (or 1 + 10 digits) for all calls.	• A concentrated growth overlay minimizes implementation of 10 digit dialing for customers
• Stationery, business cards and advertising containing a ten-digit phone number will need to be revised by customers receiving the new area code.	• There is no need to revise stationery, business cards and advertising unless they contain only seven digit phone numbers.	• Customer confusion pertaining to dialing for a concentrated overlay could exist.

• **Future splits will reduce the geographic size of the area code.**	• **An overlay will end further shrinking of the geographic size of the area code because subsequent relief will likely be another overlay.**	• **In order to preserve codes, the NPA must be identified as needing relief and the relief plan needs to be approved much earlier in order to preserve enough codes to serve the non-concentrated overlay area.**

Oregon
NPA 541 NXX Summary
Data as of 2/11/08

NPA	**541**					
Assigned NXXs	666					
Protected NXXs	0					
Reserved NXXs	0					
Unavailable NXXs	24	See Note				
Available NXXs	110					
Total	800					
Codes Assigned NPA 541	01/2006	02/2006	03/2006	04/2006	05/2006	06/2006
	2	4	3	0	1	0
	07/2006	08/2006	09/2006	10/2006	11/2006	12/2006
	0	2	4	1	1	2
	01/2007	02/2007	03/2007	04/2007	05/2007	06/2007
	2	2	3	6	4	2
	07/2007	08/2007	09/2007	10/2007	11/2007	12/2007
	0	1	1	0	2	1
	01/2008	02/2008				
as of Feb 11, 2008	3	0*				
Note: Unavailable indicates codes that are unavailable for assignment. These						
codes include, but are not limited to, test and special use codes (e.g., 958,959,						
555, time), N11 and other unique codes (e.g., 976, 950),and codes with special						
dialing arrangements (e.g., 7-digit dialing across NPA boundary						

POOLING STATISTICS Provided By: Cecilia Louie	
ST/NPA:	**OR 541**
MEETING DATE:	**1/30/2008**
MEETING SUBJECT:	
Relief Planning	**X**
Jeopardy	
Jeopardy Status Review	
UA NXXs	
Other	
POOL START DATE (PSD)	**7/1/2001**
RATE CENTERS	
# Total	**191**
# Mandatory	**87**
# Mandatory-Single Service Providers (M*)	**0**
# Optional	**4**
# Excluded	**100**
BLOCKS ASSIGNED	
# Total	**212**
(For time period 01/01/07-1/29/08)	
BLOCKS AVAILABLE	
#Total	**988**
(As of preparation date: 01/15/08)	
CODES ASSIGNED	
# Total	**25**
# for Pool Replenishment	**15**
# for Dedicated Customers	**0**
# for LRNs	**10**
(For time period 01/01/07-1/29/08)	
CODES FORECASTED	
# Total	**15**
# for Pool Replenishment and Dedicated Customers	**12**
# for LRNs	**3**
(For the next twelve months)	

RATE CENTER TABLE

STATE:OR							
NPA:541							
LERG Date:01/01/08							
Count of NXX	CATEGORY						
RC FULL NAME	CLEC	ILEC	PCS	RBOC	WIRELESS	(blank)	Grand Total
ADRIAN		1					1
ALBANY	4		3	8	8		23
ALSEA		1					1
ANTELOPE-RAJNEESH		1					1
ARLINGTON	1	1					2
ASH VALLEY		1					1
ASHLAND	1			4			5
ATHENA				1			1
AZALEA		1					1
BAKER	3		1	2	2		8
BANDON	1			1	1		3
BATES		1					1
BELLFOUNTAIN		1					1
BEND	7		3	14	17		41
BLACK BUTTE				1			1
BLODGETT		1					1
BLUE RIVER	1			1			2
BLY		1					1
BOARDMAN	1	1					2
BONANZA		1					1
BROOKINGS			2	2	2		6
BROWNSVILLE		1					1
BURNS		1			2		3
BUTTE FALLS		1					1
CAMAS VALLEY		1					1
CANYONVILLE	1	1					2
CASCADE LOCKS	1	1					2
CAVE JUNCTION		1	1		1		3
CENTRAL POINT	2			2			4
CHEMULT		1					1
CHILOQUIN		1					1
CHITWOOD		1					1
CONDON		1					1
CONNER CREEK		1					1
COOS BAY	1		3	6	5		15
COQUILLE	1			1			2
CORVALLIS	8		2	14	6		30
COTTAGE GROVE	1			3			4
COVE				1			1
CRATER LAKE		1					1
CRESWELL		1					1
CULVER	1			1			2
DAYS CREEK		1					1
DAYVILLE		1					1
DEPOE BAY		2					2
DIAMOND LAKE		1					1
DRAIN		1					1
DUFUR		1					1
DURKEE		1					1
ECHO		1					1
ELGIN	1			1			2
ELKTON		1					1
ENTERPRISE				1	2		3
EUGENE	13		7	38	25		83
FISH LAKE		1					1
FLORA TROY		1					1
FLORENCE	1			2	2		5
FORT KLAMATH		1					1

Source: Local Exchange Routing Guide

RATE CENTER TABLE

FOSSIL		1					1
GILCHRIST		1					1
GLENDALE		1					1
GLIDE		1					1
GOLD BEACH			1	1	2		4
GOLD HILL				1			1
GRANTS PASS	3		2	7	7		19
GRASS VALLEY	1	1					2
HAINES		1					1
HALFWAY		1					1
HALSEY		1					1
HARLAN		1					1
HARPER		1					1
HARRISBURG				1			1
HELIX		1					1
HEPPNER		1			1		2
HEREFORD UNITY		1					1
HERMISTON	3		1	3	3		10
HOOD RIVER	2	3	1		4		10
HORTON		1					1
HUNTINGTON		1			1		2
IMBLER				1			1
IONE		1					1
JACKSONVILLE	1			1			2
JEFFERSON				1			1
JOHN DAY		1			2		3
JORDAN VALLEY		1					1
JOSEPH				2			2
JUNCTION CITY	1		1	2			4
JUNTURA		1					1
KLAMATH FALLS	4		2	8	6		20
LA GRANDE	1			4	3		8
LAKESIDE				1			1
LAKEVIEW		1			2		3
LANGLOIS				1	1		2
LAPINE	1			1			2
LEABURG				1			1
LEBANON	1	3	1		2		7
LEXINGTON		1					1
LINCOLN CITY	2	3			3		8
LOBSTER VALLEY		1					1
LONG CREEK		1					1
LOSTINE				1			1
LOWELL				1			1
MADRAS			1	3	2		6
MALIN		1					1
MAPLETON	1			1			2
MARCOLA				1			1
MAUPIN		1					1
MEACHAM		1					1
MEDFORD	7		1	16	16		40
MEDICAL SPRINGS		1					1
MERRILL		1					1
MILTON FREEWATER			1	1			2
MITCHELL		1					1
MONROE		1					1
MONUMENT		1					1
MORO		1					1
MOSIER		1			1		2
MOUNT VERNON		1					1
MYRTLE CREEK	1	2					3
MYRTLE POINT	1			1			2
NEWPORT	1			2	5		8

Source: Local Exchange Routing Guide

RATE CENTER TABLE

NORTH HARNEY		1					1
NORTH POWDER		1					1
NORTH UMPQUA		1					1
NYSSA		1					1
O BRIEN		1					1
OAKLAND				1	1		2
OAKRIDGE				1			1
ODELL		1					1
ONTARIO		3	2		2		7
OREGON SLOPE		1					1
OXBOW		1					1
PAISLEY		1					1
PARKDALE	1	1					2
PAULINA		1					1
PENDLETON	3		1	3	7		14
PHILOMATH		1			1		2
PHOENIX	1			2			3
PILOT ROCK		2					2
PINE GROVE		1					1
PORT ORFORD	1		1	1			3
POWERS				1			1
PRAIRIE CITY		1					1
PRINEVILLE	2			2			4
PROSPECT		1					1
PROVOLT MURPHY				2			2
QUINN		1					1
REDMOND	1			5	1		7
REEDSPORT	2		1	1	2		6
RICHLAND		1	1				2
RIDDLE		1					1
RIDGEVIEW		1					1
ROCKY POINT		1					1
ROGUE RIVER	1			1			2
ROSEBURG	4		3	10	7		24
RUFUS		1					1
SCOTTSBURG		1					1
SELMA		1					1
SENECA		1					1
SHADY COVE		1					1
SHEDD		1					1
SILETZ	1			1			2
SILVER LAKE		1					1
SISTERS	1			2			3
SOUTH BEACH		1					1
SOUTH HARNEY		1					1
SPRAGUE RIVER		1					1
SPRAY		1					1
STANFIELD				1			1
STATELINE	1			1			2
SUMMIT		1					1
SUMPTER	1	1		1			3
SWEET HOME	1	1					2
THE DALLES	3	3	1		6		13
TIDEWATER		1					1
TOLEDO				1			1
TRIANGLE LAKE		2					2
TYGH VALLEY		1					1
UKIAH		1					1
UMATILLA	1			1			2
UNION				1			1
VALE		1					1
VENETA	1			1			2
WALDPORT		1					1

Source: Local Exchange Routing Guide

RATE CENTER TABLE

WALLOWA				1			1
WAMIC		1					1
WASCO		1					1
WHITE CITY	1	3	1				5
WOLF CREEK		1					1
YACHATS		1					1
YONCALLA		1					1
(blank)							
Grand Total	108	141	45	208	161		663

Source: Local Exchange Routing Guide

CODE HOLDER TABLE

STATE:OR							
NPA:541							
LERG Date:01/01/08							
Count of NXX	CATEGORY						
OCN_NAME	CLEC	ILEC	PCS	RBOC	WIRELESS	(blank)	Grand Total
360NETWORKS (USA) INC. - OR	8						8
ADVANCED TELCOM GROUP, INC. - OR	11						11
ARCH WIRELESS HOLDINGS, INC.					6		6
ASOTIN TELEPHONE CO.		1					1
AT&T LOCAL	3						3
AUTOMOTIVE EXPERTS GRP INC. DBA BEND DATA CTR - OR	1						1
AXXIS COMMUNICATION, INC. - OR	3						3
BLUE LICENSES HOLDING, LLC					28		28
CAL-ORE COMMUNICATIONS, INC. - OR	1						1
CASCADE UTILITIES, INC.		5					5
CELLCO PARTNERSHIP DBA VERIZON WIRELESS - OR					34		34
CENTURYTEL OF OREGON, INC.		53					53
CHARTER FIBERLINK OR-CCVII, LLC - OR	4						4
CITIZENS TELECOMM CO OF OR DBA FRONTIER COMM OF OR		11					11
COMCAST PHONE OF OREGON, LLC - OR	2						2
EAGLE TELEPHONE SYSTEM, INC.		1	2				3
EASTERN OREGON TELECOM, LLC - OR	2						2
EDGE WIRELESS, LLC			11				11
ELECTRIC LIGHTWAVE, LLC DBA INTEGRA TELECOM - OR	1						1
FARMERS MUTUAL TELEPHONE COMPANY, INC.			1				1
HELIX TELEPHONE CO.		2					2
HOME TELEPHONE CO. OR		1					1
HUMBOLDT TELEPHONE COMPANY		1					1
INTEGRA TELECOM OF OREGON, INC. - OR	3						3
LCW WIRELESS LICENSE, LLC			2				2
LEVEL 3 COMMUNICATIONS, LLC - OR	25						25
MALHEUR HOME TELEPHONE CO.		6					6
MCIMETRO, ATS, INC.	1						1
MIDVALE TELEPHONE EXCHANGE, INC.		3					3
MONROE TELEPHONE CO.		1					1
NEXT GEN PHONE SYSTEMS, INC. - OR	2						2
NEXTEL COMMUNICATIONS, INC.					15		15
NORTH - STATE TELEPHONE CO		1					1
ONEEIGHTY NETWORKS, INC.	1						1
OREGON - IDAHO UTILITIES, INC.		3					3
OREGON TELEPHONE CORP.		5					5
PAC - WEST TELECOMM, INC. - OR	3						3
PINE TELEPHONE SYSTEM, INC.		3					3
PIONEER TELEPHONE COOPERATIVE		15					15
PRIORITYONE TELECOMMUNICATIONS, INC - OR	2						2
QWEST CORPORATION				176			176
RCC HOLDINGS, INC.					19		19
RIO COMMUNICATIONS, INC.	6						6
ROOME TELECOMMUNICATIONS, INC.		1					1
SPRINT COMMUNICATIONS COMPANY, L.P. - OR	2						2
SPRINT SPECTRUM L.P.			12				12
SPRINT SPECTRUM L.P.- OR			17				17
TELEPORT COMMUNICATIONS GROUP, INC. - OR	8						8
T-MOBILE USA, INC.					16		16
TRANS - CASCADES TELEPHONE CO.		1					1
UNITED COMMUNICATIONS, INC. DBA UNICOM - OR	1						1
UNITED STATES CELLULAR CORP. - OREGON					43		43
UNITED TELEPHONE - NORTHWEST		27					27
UNIVERSAL TELECOMMUNICATIONS, INC.	13						13
VERIZON NORTHWEST INC.-OR				32			32
WANTEL, INC. - OR	5						5
(blank)							
Grand Total	108	141	45	208	161		663

Source: Local Exchange Routing Guide

Table 1: Annual Estimates of the Population for Counties of Oregon: April 1, 2000 to July 1, 2005								
Geographic Area	Population estimates						April 1, 2000	
	July 1, 2005	July 1, 2004	July 1, 2003	July 1, 2002	July 1, 2001	July 1, 2000	Estimates base	Census
Oregon	**3,641,056**	**3,591,363**	**3,562,681**	**3,522,342**	**3,473,484**	**3,431,070**	**3,421,436**	**3,421,399**
Baker County	16,287	16,465	16,473	16,530	16,677	16,730	16,741	16,741
Benton County	78,640	78,383	79,149	79,014	77,811	78,121	78,139	78,153
Clackamas County	368,470	362,681	357,032	352,248	345,347	339,657	338,408	338,391
Clatsop County	36,798	36,300	35,956	35,697	35,573	35,590	35,630	35,630
Columbia County	48,065	46,998	46,277	45,443	44,315	43,668	43,560	43,560
Coos County	64,711	63,825	63,112	62,613	62,390	62,694	62,788	62,779
Crook County	22,067	21,429	20,660	20,211	19,946	19,344	19,184	19,182
Curry County	22,427	22,147	21,696	21,464	21,132	21,123	21,137	21,137
Deschutes County	141,382	134,618	129,546	125,555	120,760	116,607	115,367	115,367
Douglas County	104,202	103,089	102,216	101,174	100,341	100,484	100,399	100,399
Gilliam County	1,794	1,825	1,797	1,860	1,889	1,911	1,915	1,915
Grant County	7,297	7,362	7,459	7,445	7,530	7,901	7,935	7,935
Harney County	6,898	7,085	7,210	7,319	7,415	7,613	7,609	7,609
Hood River County	21,284	21,084	20,806	20,706	20,465	20,480	20,411	20,411
Jackson County	195,322	193,016	190,380	187,126	184,102	181,866	181,275	181,269
Jefferson County	20,100	19,824	19,741	19,619	19,475	19,112	19,009	19,009
Josephine County	80,761	79,810	78,868	77,764	76,498	75,869	75,724	75,726
Klamath County	66,192	65,268	65,018	64,304	64,171	63,932	63,775	63,775
Lake County	7,313	7,373	7,439	7,446	7,481	7,410	7,422	7,422
Lane County	335,180	331,567	330,012	326,879	324,437	323,431	322,977	322,959
Lincoln County	45,994	45,258	44,816	44,514	44,067	44,341	44,479	44,479
Linn County	108,914	107,219	106,286	105,076	103,837	103,054	103,083	103,069
Malheur County	31,330	31,326	31,355	31,418	31,571	31,541	31,615	31,615
Marion County	305,265	301,702	298,526	294,826	289,350	285,626	284,838	284,834
Morrow County	11,666	11,692	11,631	11,599	11,248	11,057	10,995	10,995
Multnomah County	672,906	671,363	677,562	674,887	668,490	661,466	660,469	660,486
Polk County	70,295	67,871	66,148	64,806	63,824	62,651	62,380	62,380
Sherman County	1,749	1,724	1,788	1,788	1,863	1,925	1,934	1,934
Tillamook County	25,277	24,918	24,701	24,499	24,449	24,261	24,262	24,262
Umatilla County	73,878	73,556	72,977	72,017	71,368	70,687	70,548	70,548
Union County	24,540	24,445	24,512	24,496	24,338	24,548	24,530	24,530
Wallowa County	7,014	6,976	7,081	7,094	7,174	7,220	7,226	7,226
Wasco County	23,593	23,553	23,661	23,563	23,730	23,815	23,791	23,791
Washington County	499,794	487,548	479,889	471,962	462,492	448,508	445,342	445,342

Table 1: Annual Estimates of the Population for Counties of Oregon: April 1, 2000 to July 1, 2005								
Wheeler County	1,455	1,464	1,516	1,531	1,508	1,545	1,547	1,547
Yamhill County	92,196	90,599	89,385	87,849	86,420	85,282	84,992	84,992

Note: The April 1, 2000 Population Estimates base reflects changes to the Census 2000 population from the Count Question Resolution program and geographic program revisions. Dash (-) represents zero or rounds to zero. (X) Not applicable

Suggested Citation:

Table 1: Annual Estimates of the Population for Counties of Oregon: April 1, 2000 to July 1, 2005 (CO-EST2005-01-41)

Source: Population Division, U.S. Census Bureau

Release Date: March 16, 2006

NANPA

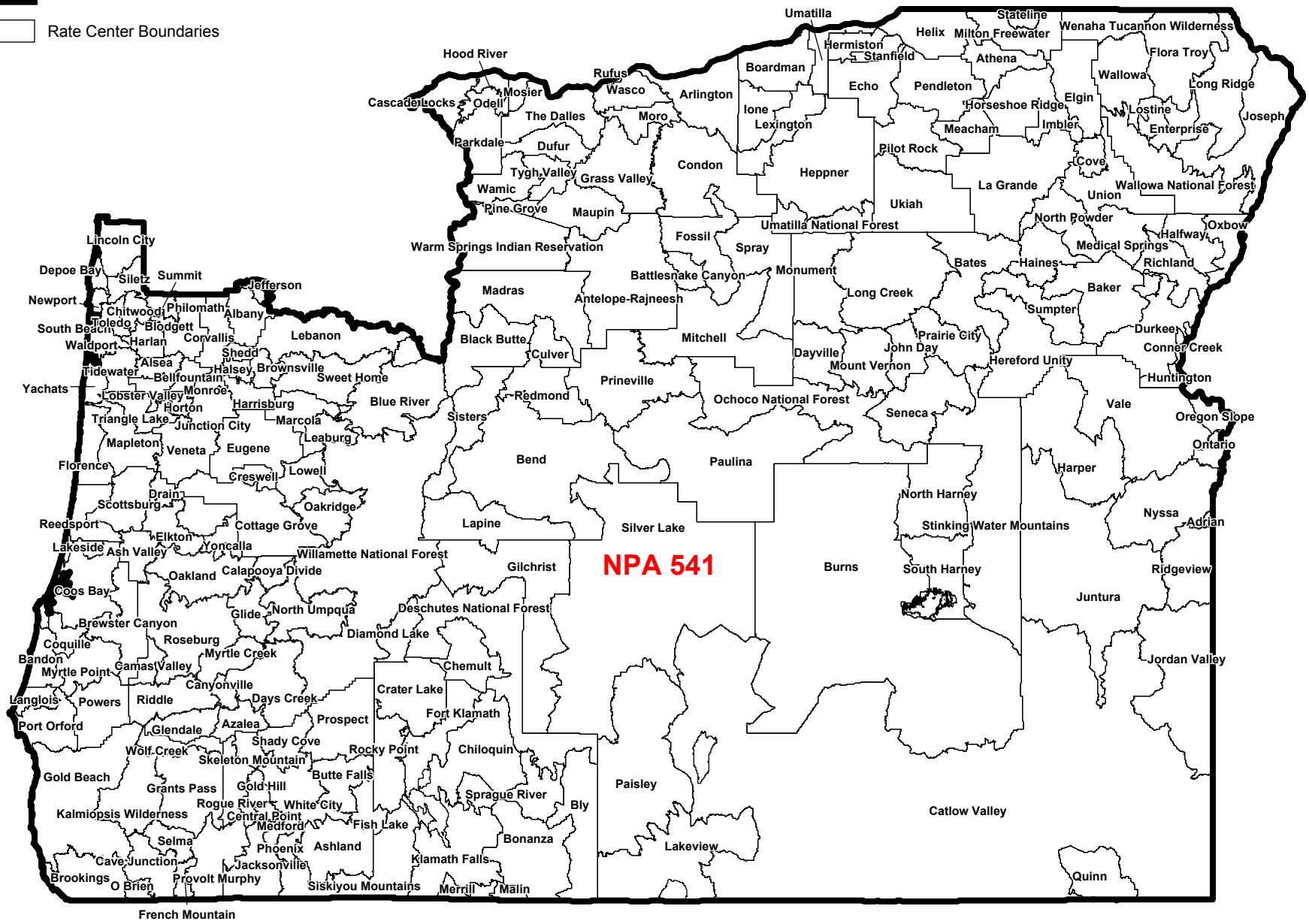
Area Codes Map

OR - Oregon

NPA 541 Rate Center Map

NPA Boundaries

Rate Center Boundaries



Produced by CDS Business Mapping, LLC 12/04/2007

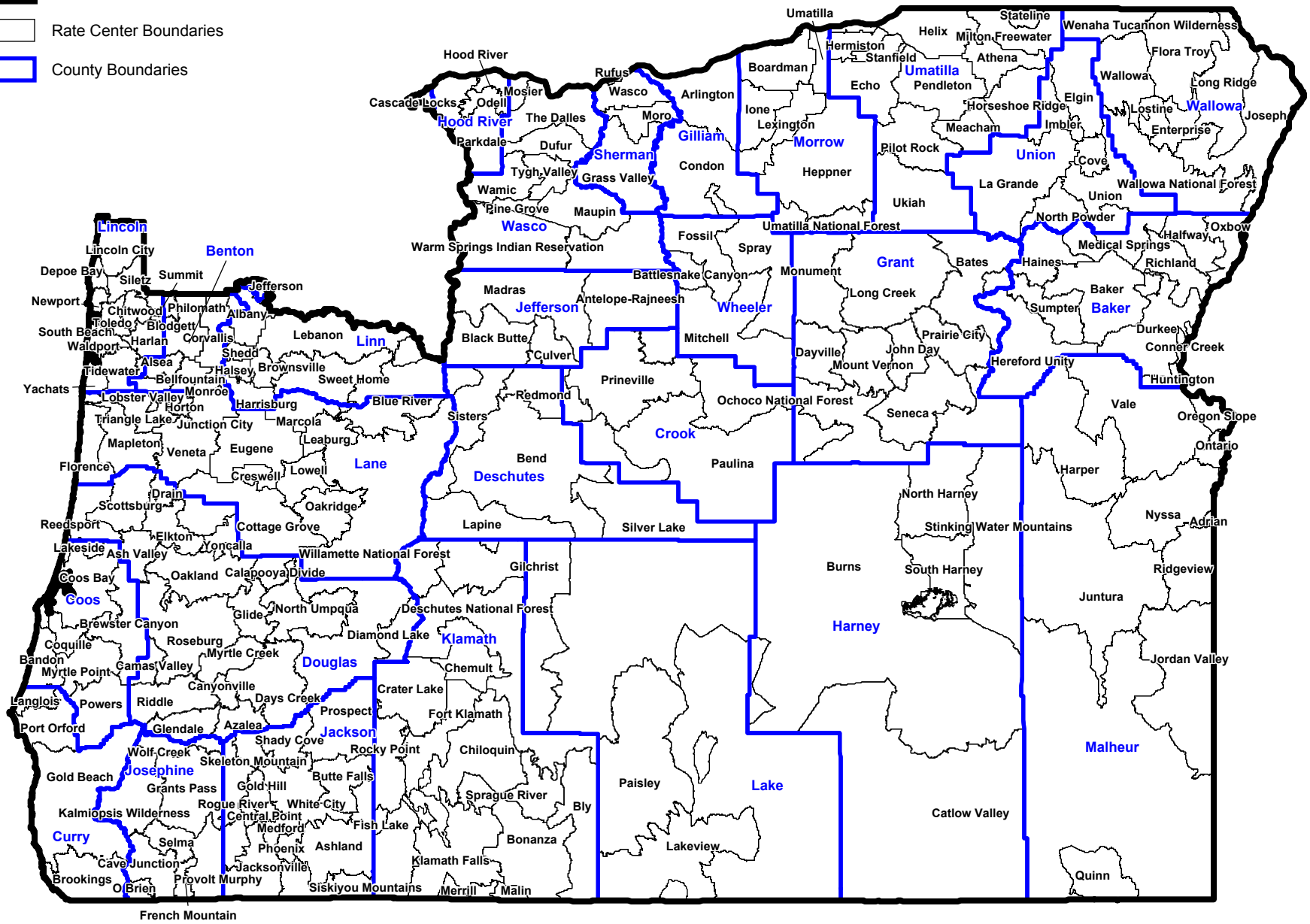
NPA 541 Rate Center Map & County Map

NEU STAR

NPA Boundaries

Rate Center Boundaries

County Boundaries



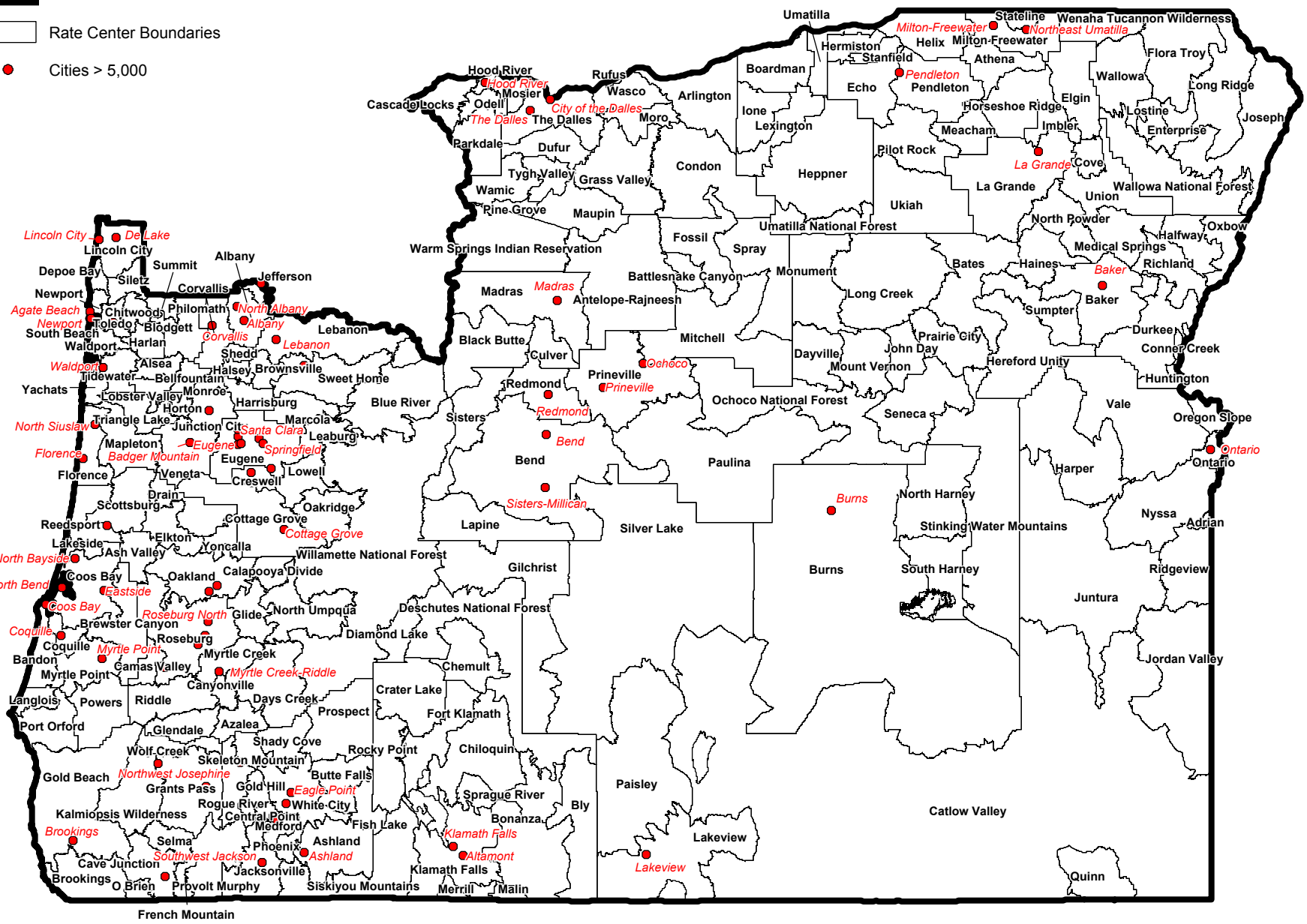
Produced by CDS Business Mapping, LLC 01/2008

NPA 541 Rate Center Map & Cities > 5,000

NPA Boundaries

Rate Center Boundaries

Cities > 5,000



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NPA 541 Rate Center Map, County Map & Highways

NEU STAR

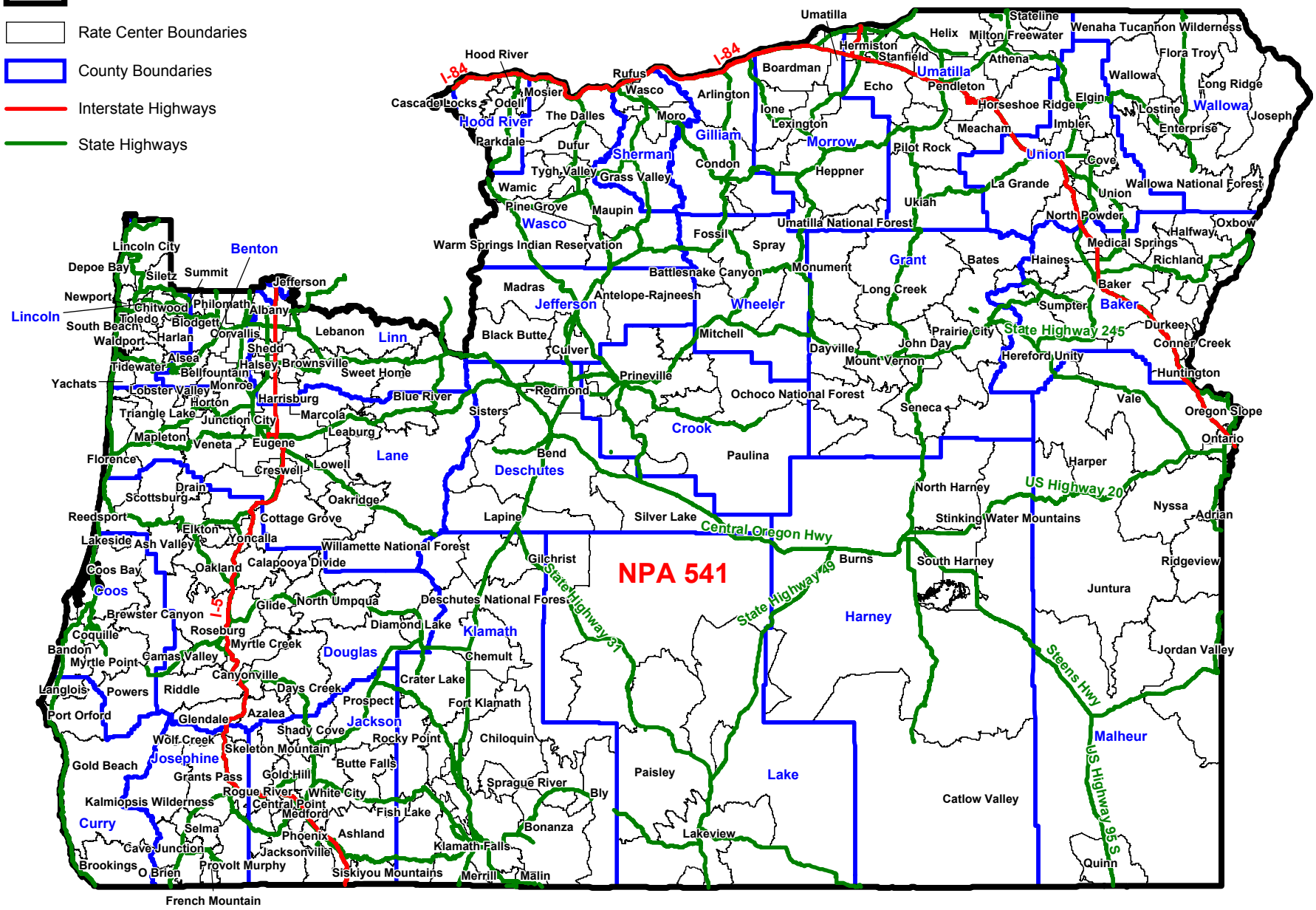
NPA Boundaries

Rate Center Boundaries

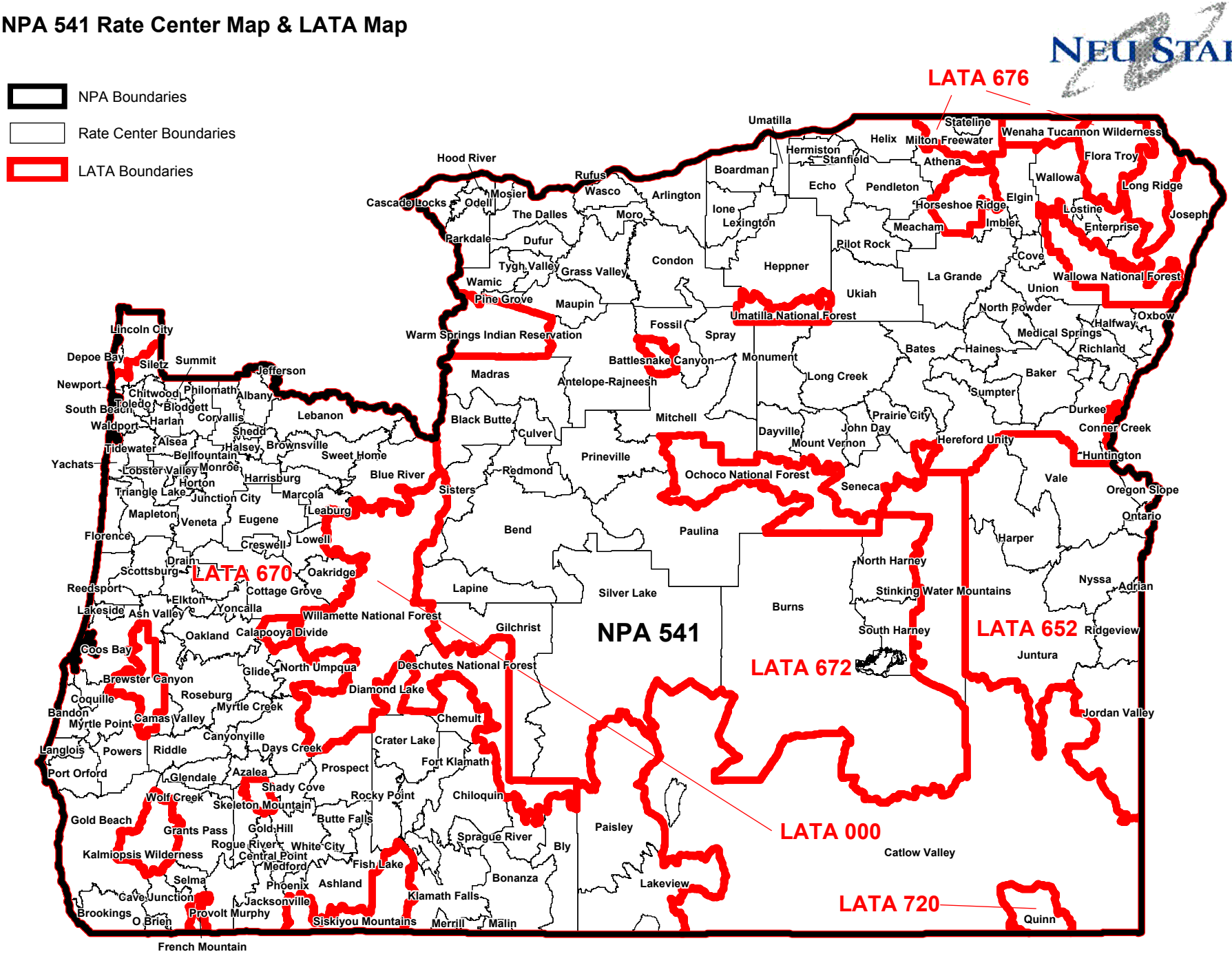
County Boundaries

Interstate Highways

State Highways


NPA 541
Umatilla
Hood River
Wasco
Sherman
Gilliam
Morrow
Union
Wallowa
Lincoln
Benton
Linn
Lane
Jefferson
Deschutes
Crook
Grant
Wheeler
Baker
Klamath
Douglas
Coos
Curry
Josephine
Jackson
Harney
Lake
Malheur
I-84
I-5
State Highway 245
US Highway 20
Central Oregon Hwy
State Highway 31
State Highway 49
Steens Hwy
US Highway 95 S
Wenaha Tucannon Wilderness
Wallowa National Forest
Umatilla National Forest
Warm Springs Indian Reservation
Deschutes National Forest
Willamette National Forest
Ochoco National Forest
Stinking Water Mountains
Catlow Valley
Jordan Valley
Siskiyou Mountains
Kalmiopsis Wilderness
Rogue River
Crater Lake
Klamath Falls
Lakeview
Paisley
Burns
Bend
Redmond
Prineville
Madras
Pendleton
Hermiston
Milton Freewater
Baker City
Ontario
Medford
Eugene
Salem
Portland
Cottage Grove
Roseburg
Coos Bay
Brookings
Gold Beach
Grants Pass
Ashland
Klamath Falls
Lakeview
Burns
Ontario
Pendleton
Baker City

NPA 541 Rate Center Map & LATA Map



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541 NPA - RELIEF ALTERNATIVES

OREGON
Numbering Plan Area Born on Date: 1995

NPA RELIEF PLANNING TOOL ASSUMPTIONS
NRUF DATE……. October 2007
PROJECTED EXHAUST DATE……. 1Q2011
ANNUALIZED CO CODE DEMAND PROJECTION….. 34
MONTHLY CO CODE DEMAND PROJECTION…… 3.0
LERG DATA…… January 2008

NPA RELIEF ALTERNATIVES

OVERLAY ALTERNATIVE

A new NPA code would be assigned to the same geographic area occupied by the existing 541 NPA. Customers would retain their current telephone numbers; however, ten-digit local dialing by all customers within and between NPAs in the affected area would be required, including cross-state-boundary calling. Codes in the overlay NPA will be assigned upon request with the effective date of the new area code. At exhaust of the 541 NPA all future code assignments will be made in the overlay area code.

ALTERNATIVE # 1 – ALL SERVICES DISTRIBUTED OVERLAY
This would be an all-services overlay distributed across all rate centers.

Total CO Codes = 663
Total rate centers = 191
Area Code Life in Years = 24

CONCENTRATED OVERLAY ALTERNATIVE

A new NPA code would be assigned to only certain rate centers in the same geographic area occupied by the existing 541 NPA. Customers would retain their current telephone numbers; however, ten-digit local dialing would be required by all customers within and between NPAs in the affected rate areas. Codes in the overlay NPA will be assigned upon

request with the effective date of the new area code. Those customers in the non-overlaid area of the 541 NPA would retain seven-digit dialing until the remaining 541 NXX codes were assigned and the overlay would then be extended to all rate centers in the 541 NPA. All remaining 541 NXX codes would be assigned only to the non-overlaid area. At exhaust of the 541 NPA all future code assignments will be made in the overlay area code.

ALTERNATIVE # 2 – CONCENTRATED OVERLAY

This would be a concentrated-overlay distributed across only specific rate centers. The proposed new concentrated overlay area runs along rate center boundaries generally the western half of the state. The new overlay area includes 113 rate centers south and west and of the following rate centers: Wamic, Pine Grove, Maupin, Grass Valley, Fossil, Spray, Monument, Dayville, Mount Vernon, Seneca, North Harney and Burns and west of the unfiled territory shown on the map as Catlow Valley (the boundary is just east of the Paisley and Lakeview rate centers). There are 78 rate centers north and east of this line involving 164 NXX codes. The overlay would be extended over this non-overlaid area when the remaining 541 codes exhaust.

Total CO Codes = 499 / 164
Total rate centers = 113 / 78
Years before Expansion of Overlay: 6.0
Area Code Life in Years = 24

EXPANDED OVERLAY ALTERNATIVE

ALTERNATIVE # 3 – EXPANDED OVERLAY

The existing 971 NPA overlay code (503/971 NPA Overlay complex) would be expanded to the rest of the state and assigned to the same geographic area occupied by the existing 541 NPA. Customers would retain their current telephone numbers; however, ten-digit local dialing by all customers within and between NPAs in the affected area would be required. Codes in the overlay NPA will be assigned upon request with the effective date of the area code expansion. At exhaust of the 541 NPA all future code assignments will be made in the overlay area code. There are 710 NXX codes available in the 971 NPA which is forecasted to exhaust 3Q2029; the 503 NPA has 25 NXX codes available and is forecasted to exhaust 4Q2008. This alternative would shorten the life of the 971 by six to ten years.

Total CO Codes = 1496
Area Code Life in Years = 11 to 15 years

NPA SPLIT ALTERNATIVE

The exhausting NPA is split into two geographic areas and a new NPA is assigned to one of the areas formed by the split. All split plans would require ten-digit dialing between NPAs in the extended local calling area. Within an NPA, seven-digit dialing would be retained.

ALTERNATIVE # 4 – NPA SPLIT

The proposed boundary line runs along rate center boundaries generally west of the Cascades except the south-western portion of the state. The split line is described as follows: starting at the top of the 541 NPA it runs in a southerly direction west of the Black Butte, Sisters, Lapine, Gilchrist, Chemult and Fort Klamath rate centers then runs in a westerly direction on the northern side of the Klamath Falls, Fish Lake Butte Falls, White City, Gold Hill, Rogue River, Grants Pass and Gold Beach rate centers to the coast.

AREA "A"
Total CO Codes = 296
Total rate centers = 72
Area Code Life in Years = 29

AREA "B"
Total CO Codes = 367
Total rate centers = 119
Area Code Life in Years = 20

PROJECTED LIVES OF RELIEF ALTERNATIVES IN YEARS

ALTERNATIVE	AREA "A"	AREA "B"	OVERLAY
#1	-	-	24
#2	-	-	24
#3	-	-	11-15
#4	29	20	-

NPA 541 Rate Center Map

ALTERNATIVE # 1
All Services Overlay

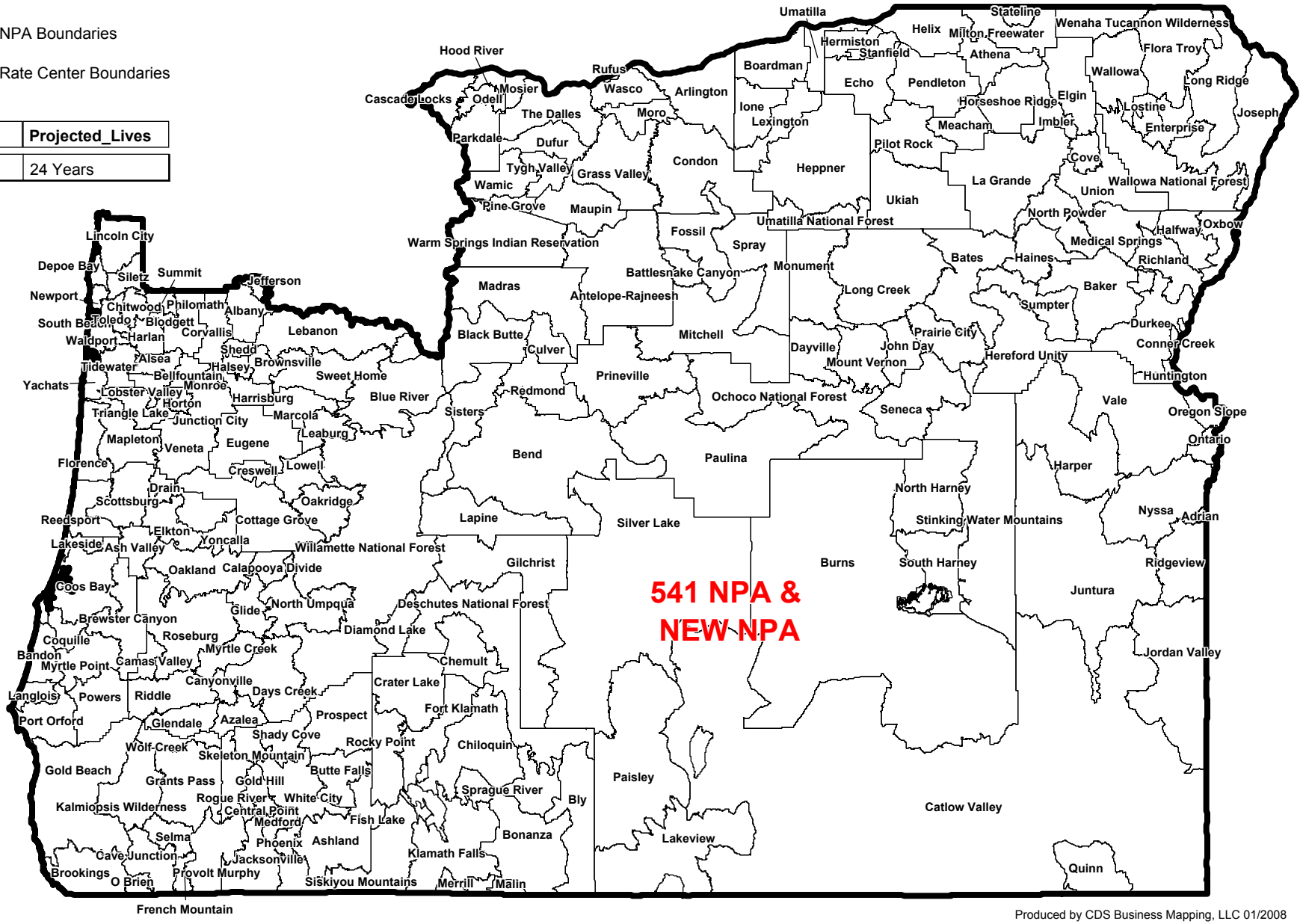
NEU STAR

541 NPA & New NPA

NPA Boundaries

Rate Center Boundaries

Alt#1	Projected_Lives
Overlay	24 Years



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NPA 541 Rate Center Map

ALTERNATIVE # 2
Concentrated Overlay

NEU STAR

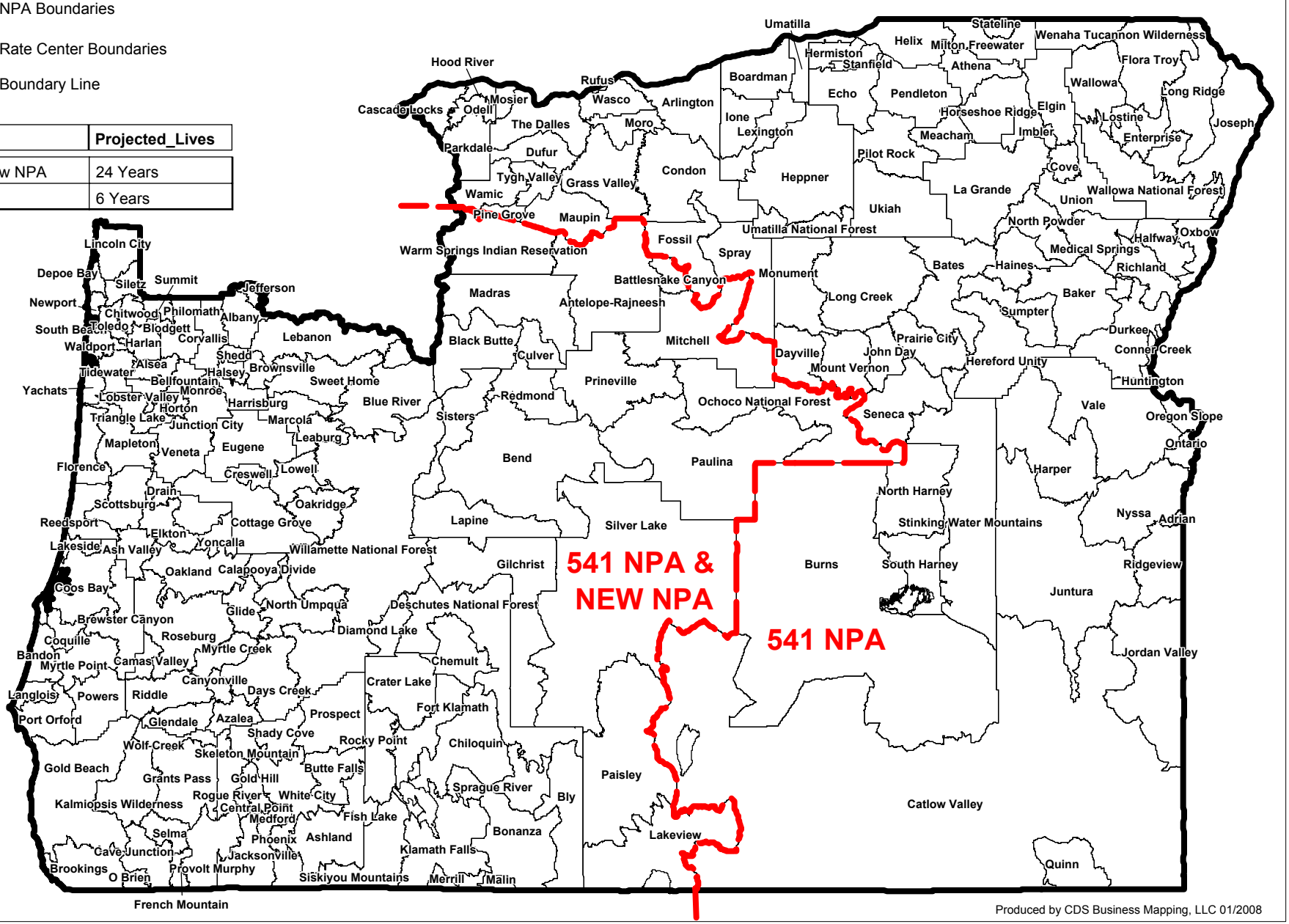
541 NPA & New NPA

NPA Boundaries

Rate Center Boundaries

Boundary Line

Alt#2	Projected_Lives
541 & New NPA	24 Years
541 NPA	6 Years



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503/971 NPA & 541 NPA Rate Center Map

ALTERNATIVE # 3
Expanded Overlay

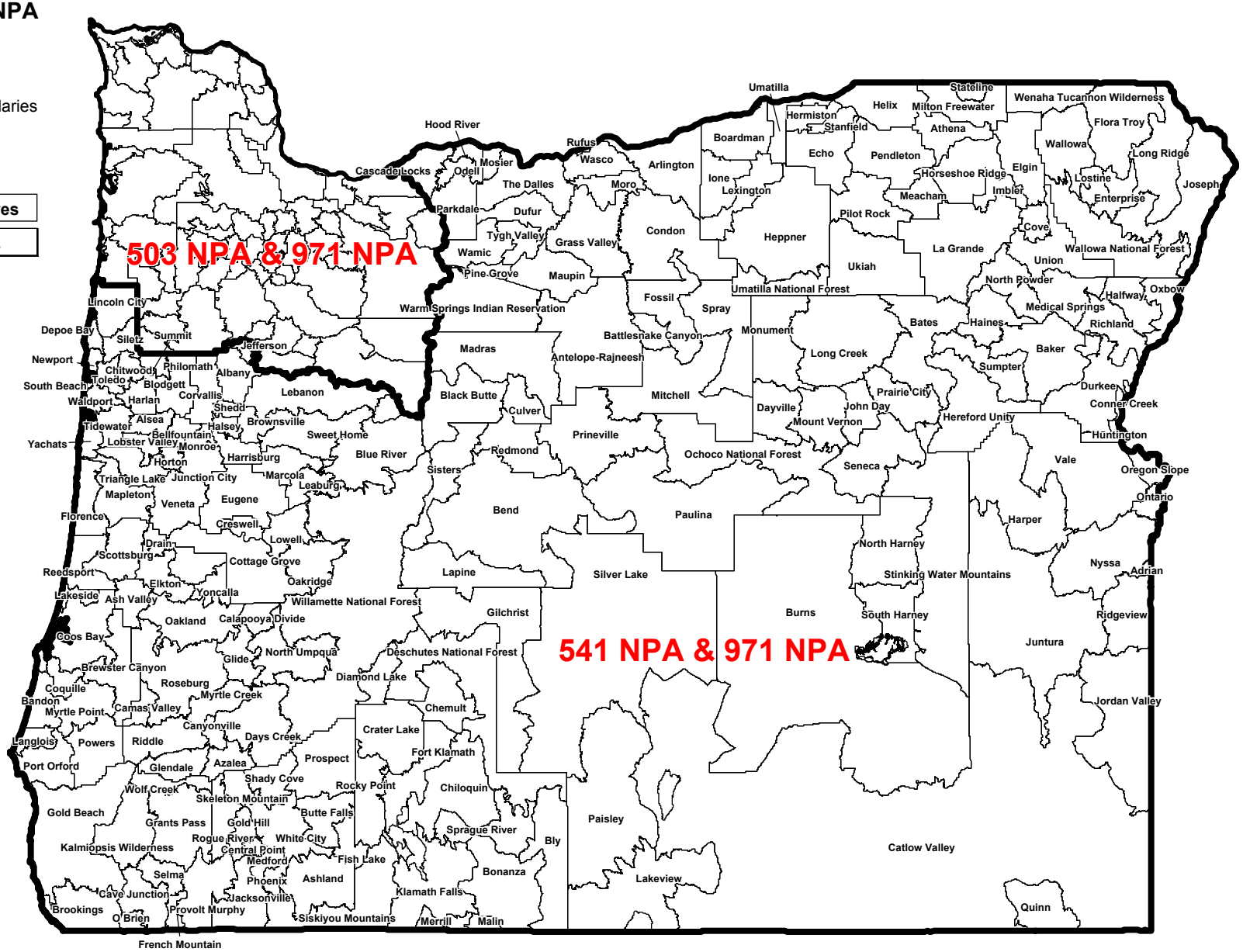
NEU STAR

503/971 NPA & 541 NPA

NPA Boundaries

Rate Center Boundaries

Alt#3	Projected_Lives
Overlay	11 to 15 Years



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NPA 541 Rate Center Map

ALTERNATIVE # 4
Geographic Split

NEU STAR

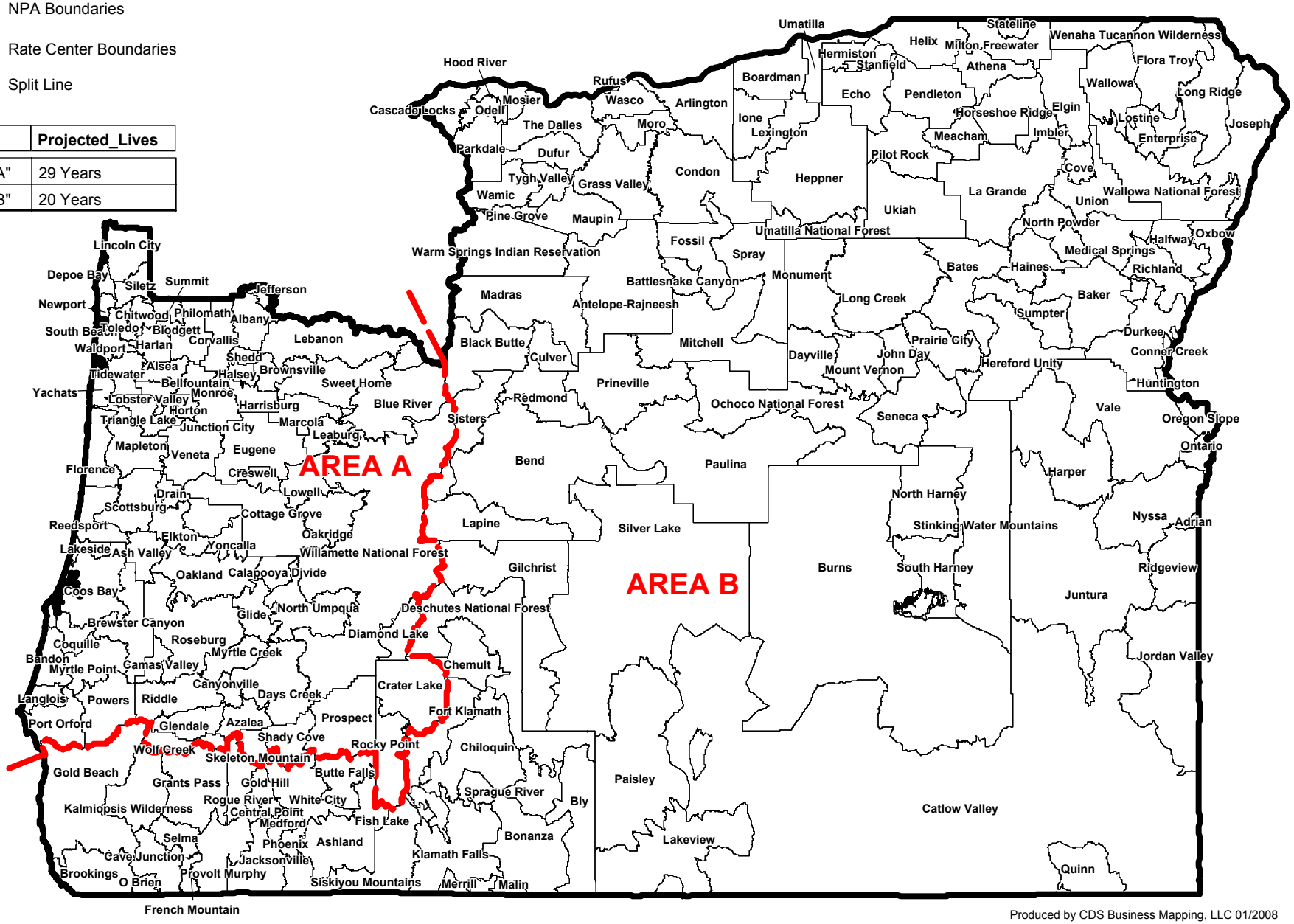
541 NPA & New NPA

NPA Boundaries

Rate Center Boundaries

Split Line

Alt#4	Projected_Lives
AREA "A"	29 Years
AREA "B"	20 Years



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